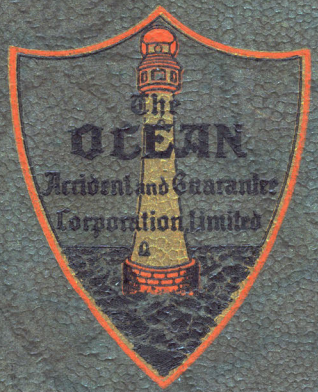
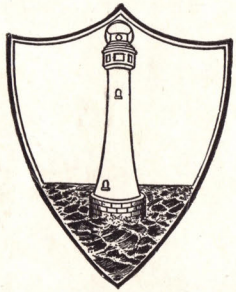
POWER PLANT ACCIDENTS





The Ocean Accident and Guarantee Corporation, Limited

UNITED STATES BRANCH
HEAD OFFICE, 114 FIFTH AVENUE
NEW YORK CITY

CHARLES H. NEELY
MANAGER AND ATTORNEY

THE EXPLOSIONS of twenty years ago were violent and frequent, although pressures, speeds and voltages were comparatively low considering those of to-day.

Modern boilers, prime movers and electrical machines operate under tremendous pressures, terrific speeds and high voltages. They are made of select materials and are protected by the most modern safety devices.

But the best steel sometimes fails—the most effective mechanisms often refuse to operate when most needed.

Explosions are appalling in their violence—

Property of great value is destroyed—

Lives are lost!

The fire which blazes on the modern hearth is more ornamental than useful.

The coal stove of our boyhood days has long since gone to the junkyard.

***Superseded by the low pressure heating boiler and hot water heater: true brothers of the Power boiler.

They are your obedient servants when properly cared for; worse than a charge of dynamite when neglected.

A home—

An apartment house—

A theatre—

Is wrecked every time a neglected boiler explodes.

And—

Lives are frequently lost!

Ocean Policies lift the burden of the risk from the owner's shoulders and place it on the back of a powerful organization.

The illustrations which appear on the following pages have been reproduced from original photographs.

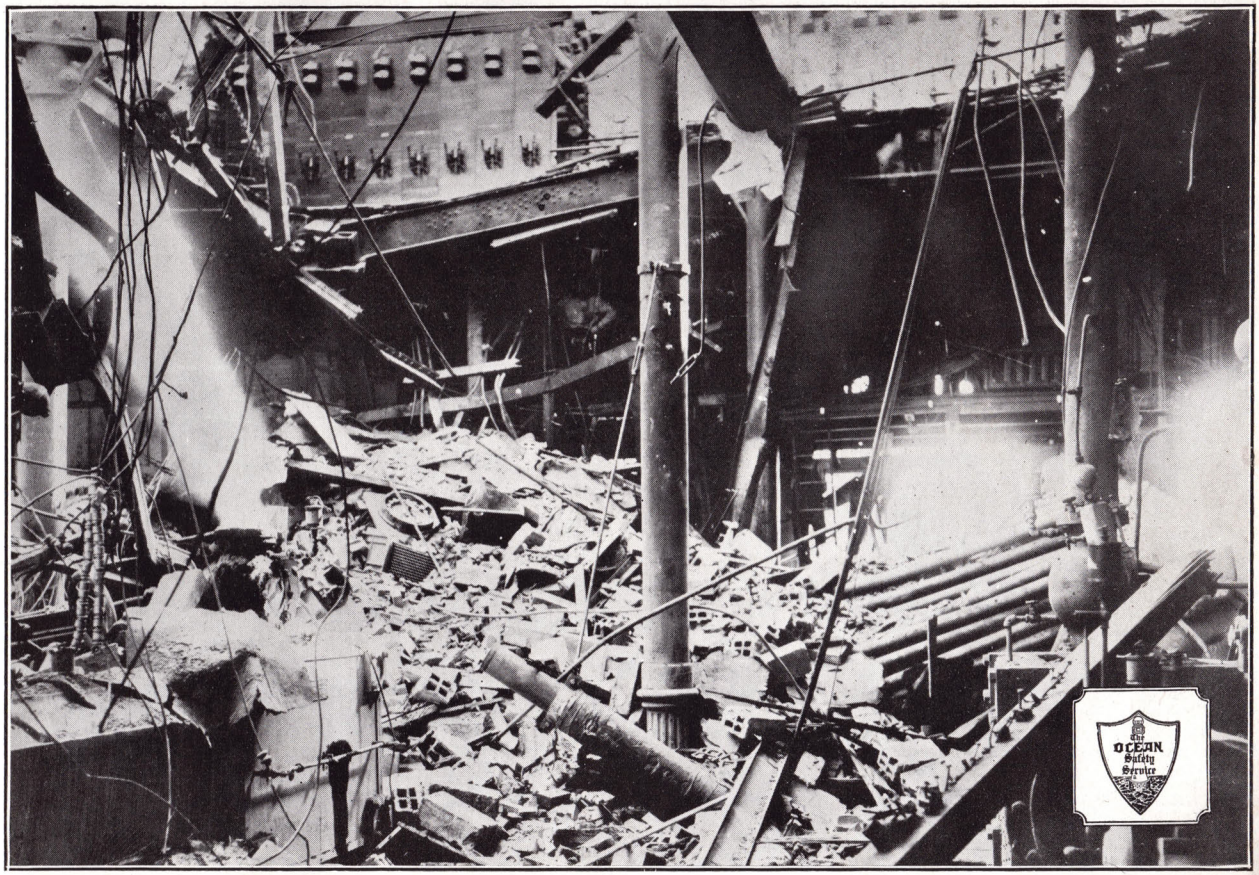
They show wrecks of:

Boilers
Pressure Vessels
Engines
Turbines
Electrical Equipment

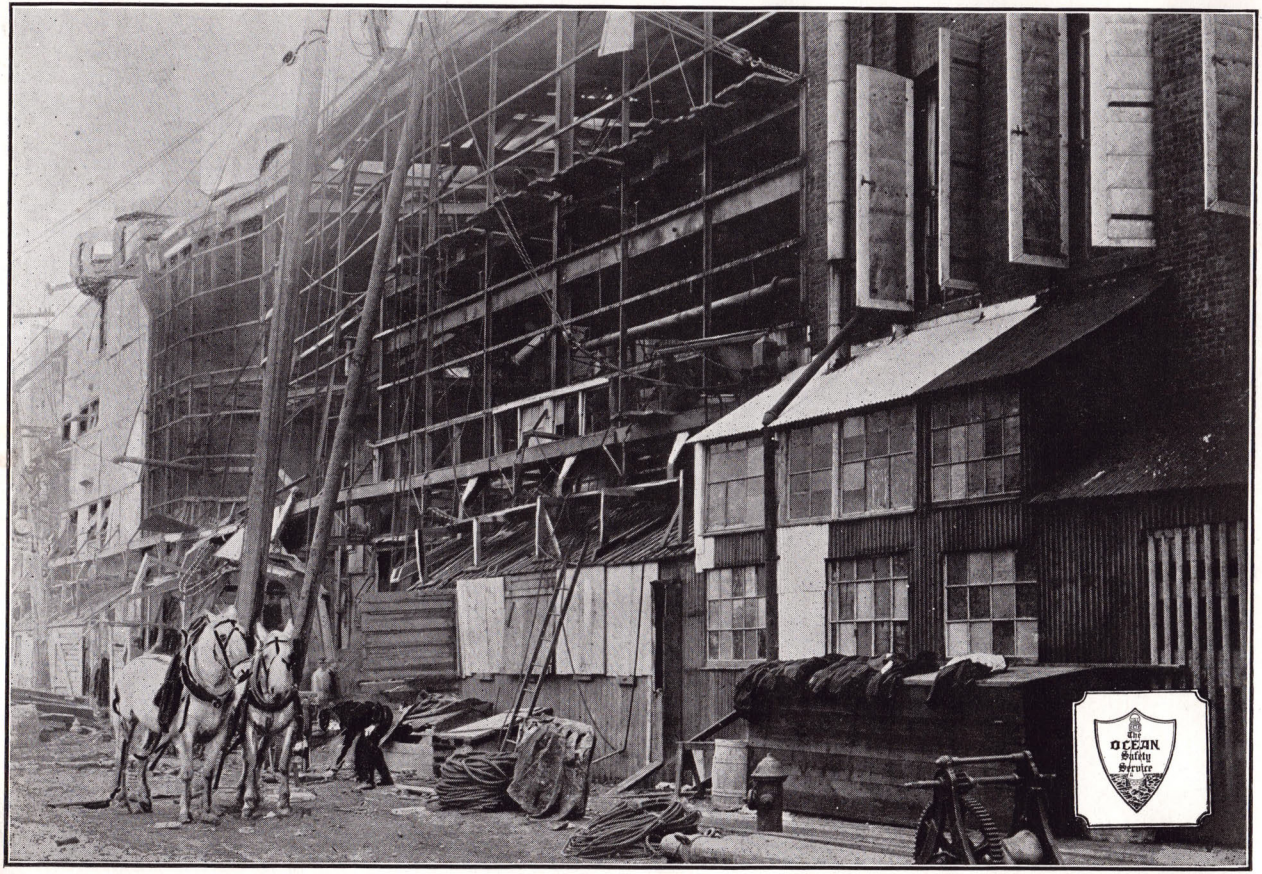
Ocean Policies may be written to cover loss from:

Direct and Indirect Property Damage
Personal Injuries
Use and Occupancy

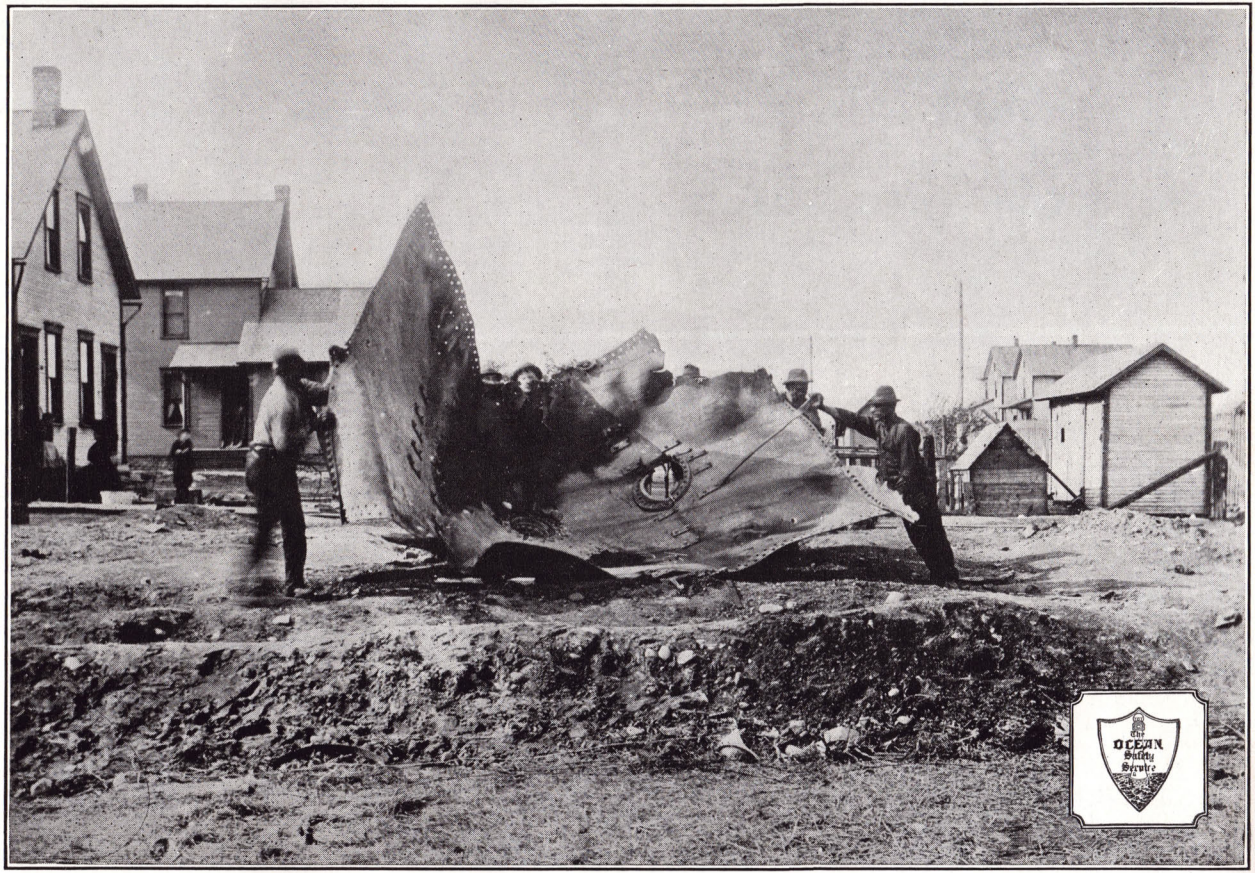
Water Tube Boiler explosion at the Denver Gas and Electric Light Plant. Property Damage $60,000.00. Five killed and many injured. The boiler was hurled through the roof and descended on the other end of the plant again passing through the roof.



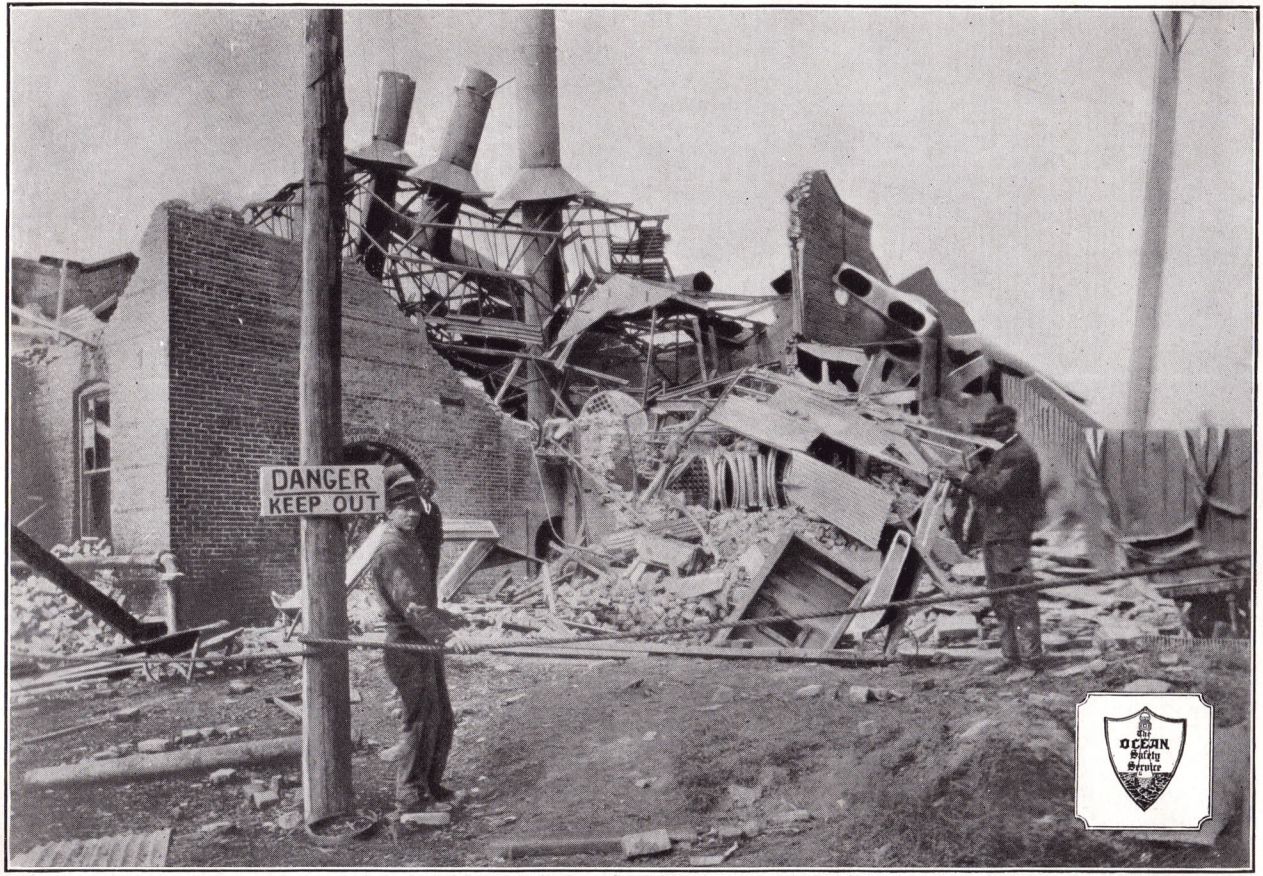
Another view of the Denver Gas and Electric Company Boiler Explosion. Note the complete wreckage of the engine room.



Water Tube Boiler explosion at the American Manufacturing Company Plant, Brooklyn, New York. Property loss $150,000. Eight killed and several injured.

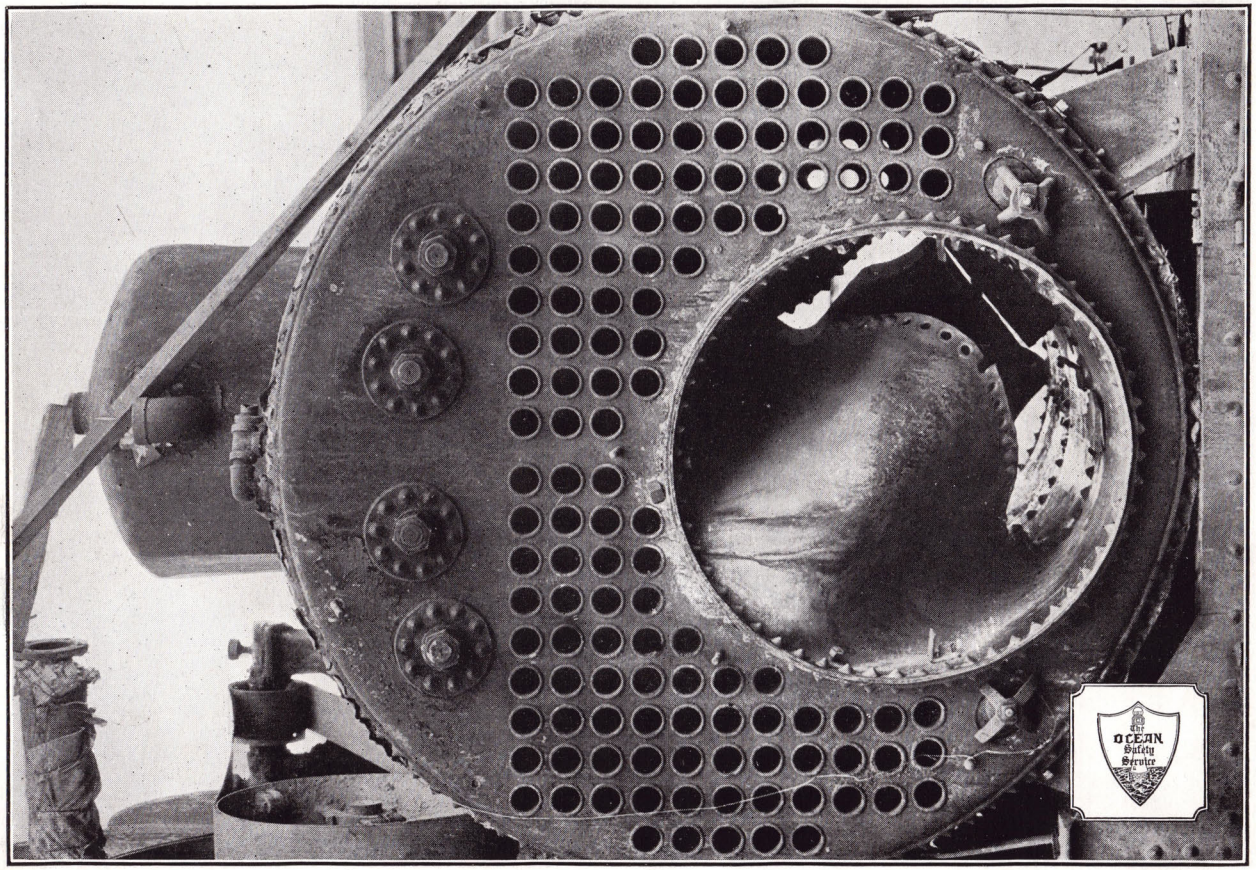


Portion of an exploded H. T. boiler, thrown many yards from the boiler house. Another section of the boiler passed through a residence, killing a woman and child.



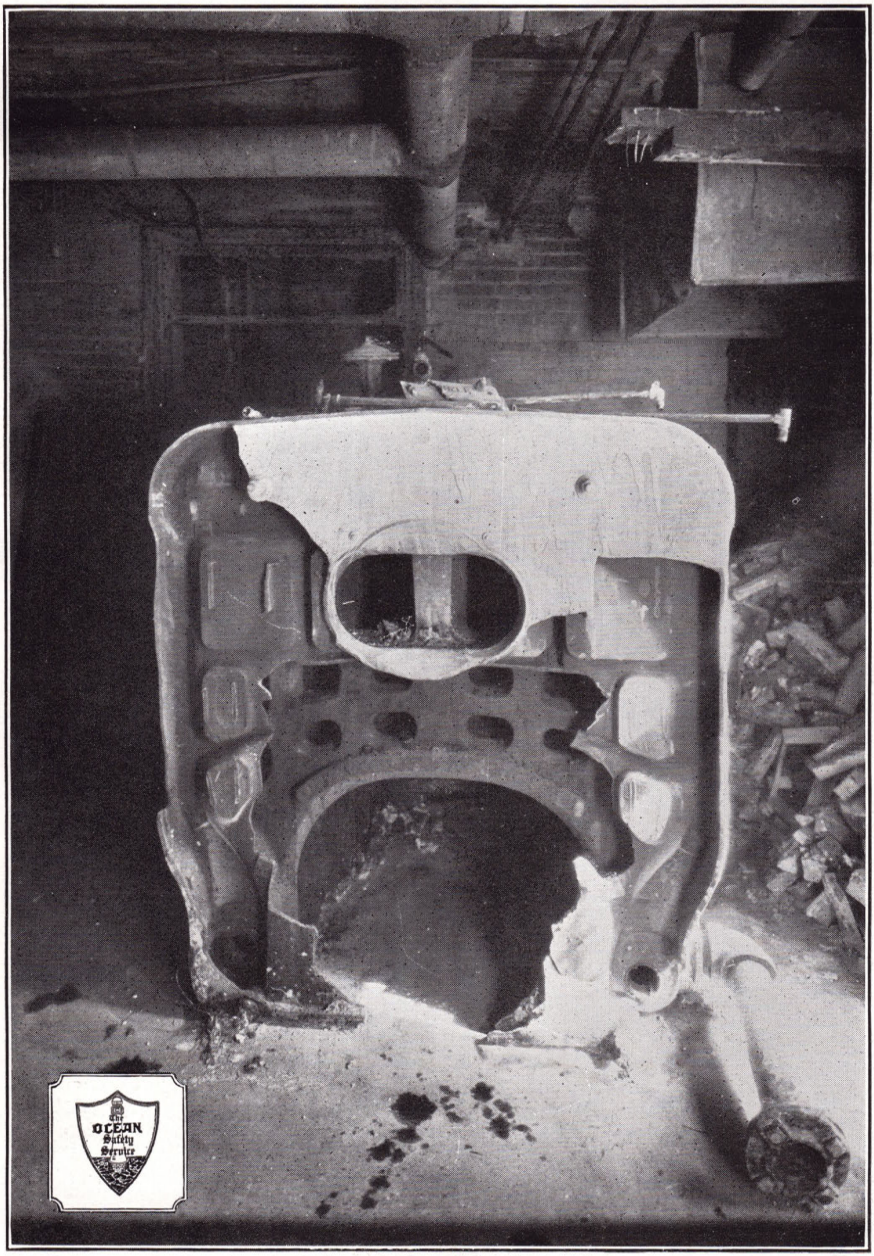
Horizontal tubular boiler explosion at Atlantic Coast Lumber Company. This plant was covered by an Ocean Policy. Twenty-four hours after proof of loss was submitted the Assured received our check for $25,000, the limit of the policy. 3 killed and 4 seriously injured.

Firebox Boiler explosion at American Lacquer Company Plant, Bridgeport, Conn.
Property damage $80,000. No insurance carried.

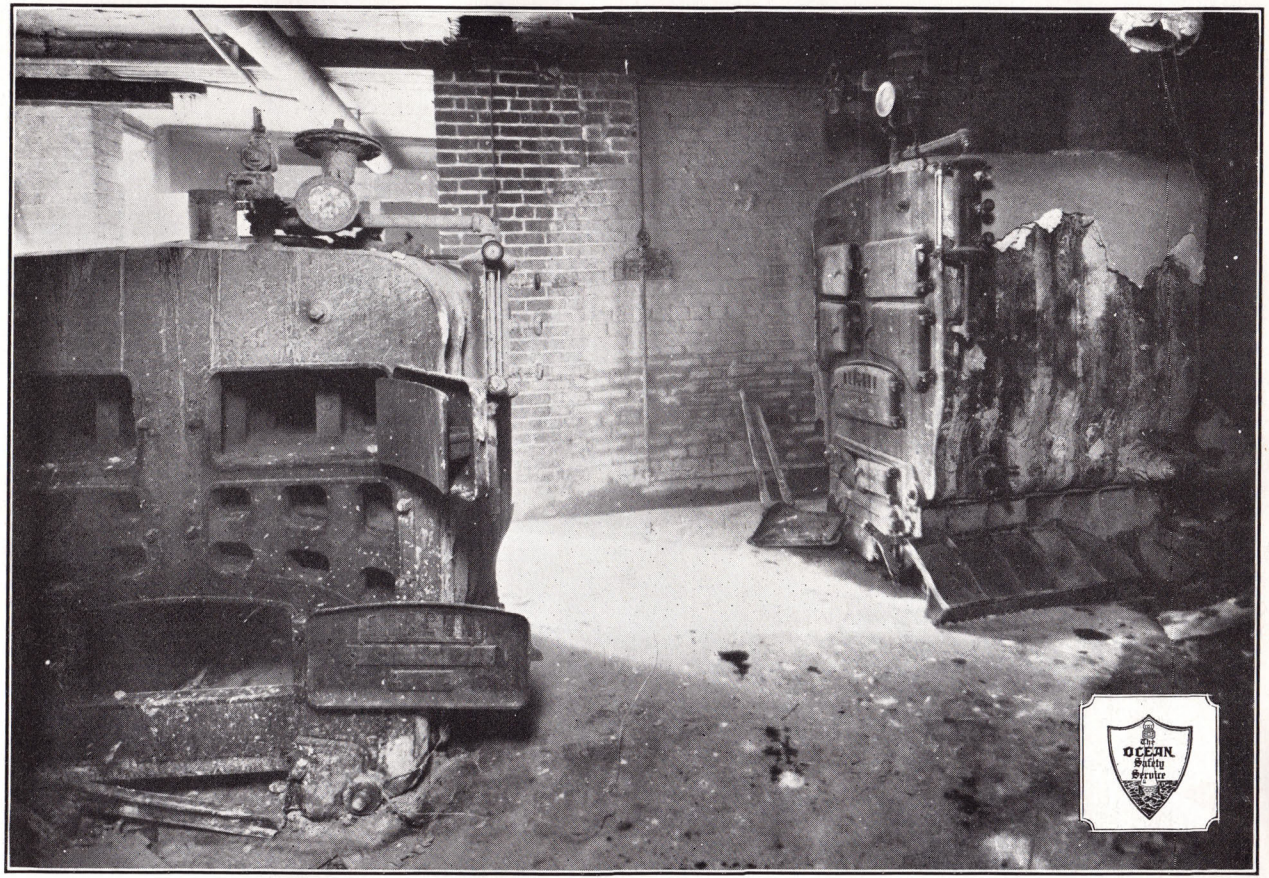


Furnace collapse in portable marine boiler used by Milwaukee contractor. Property Damage $3,000. Insured by the Ocean.

Explosion of contractor's portable boiler at Dallas, Texas. Boiler was thrown violently across street killing a team of mules.



Explosion of low pressure cast iron heating boiler in residence of Senator Bayard, Washington, D. C.



Another view of the boiler explosion in the residence of Senator Bayard. Note the distance the exploded boiler was thrown from its original setting.

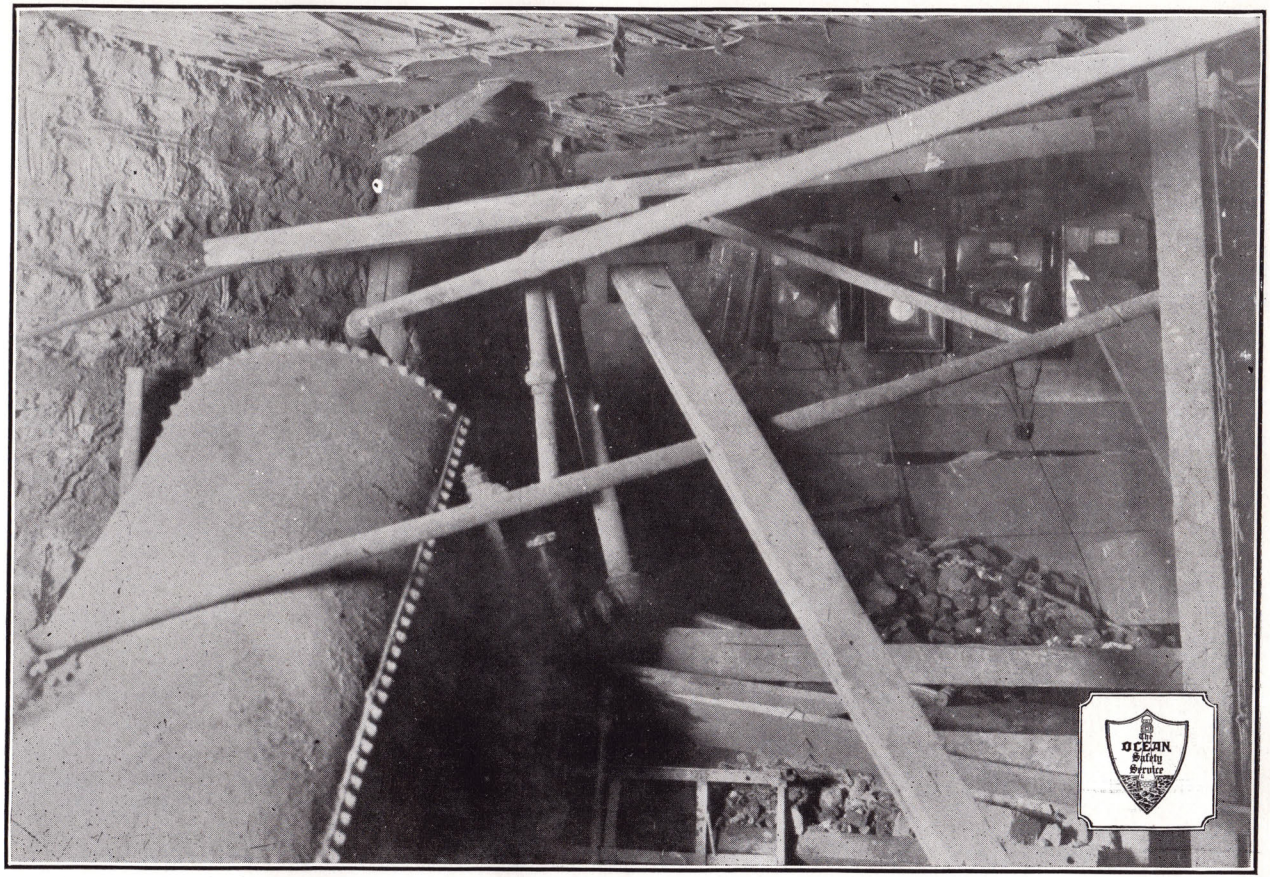
Explosion of a hot water heater in a private residence at Lynn, Mass. The windows in the surrounding houses were shattered by the concussion.

Explosion of low pressure cast iron heating boiler in Westminster Hotel, Los Angeles, Cal.

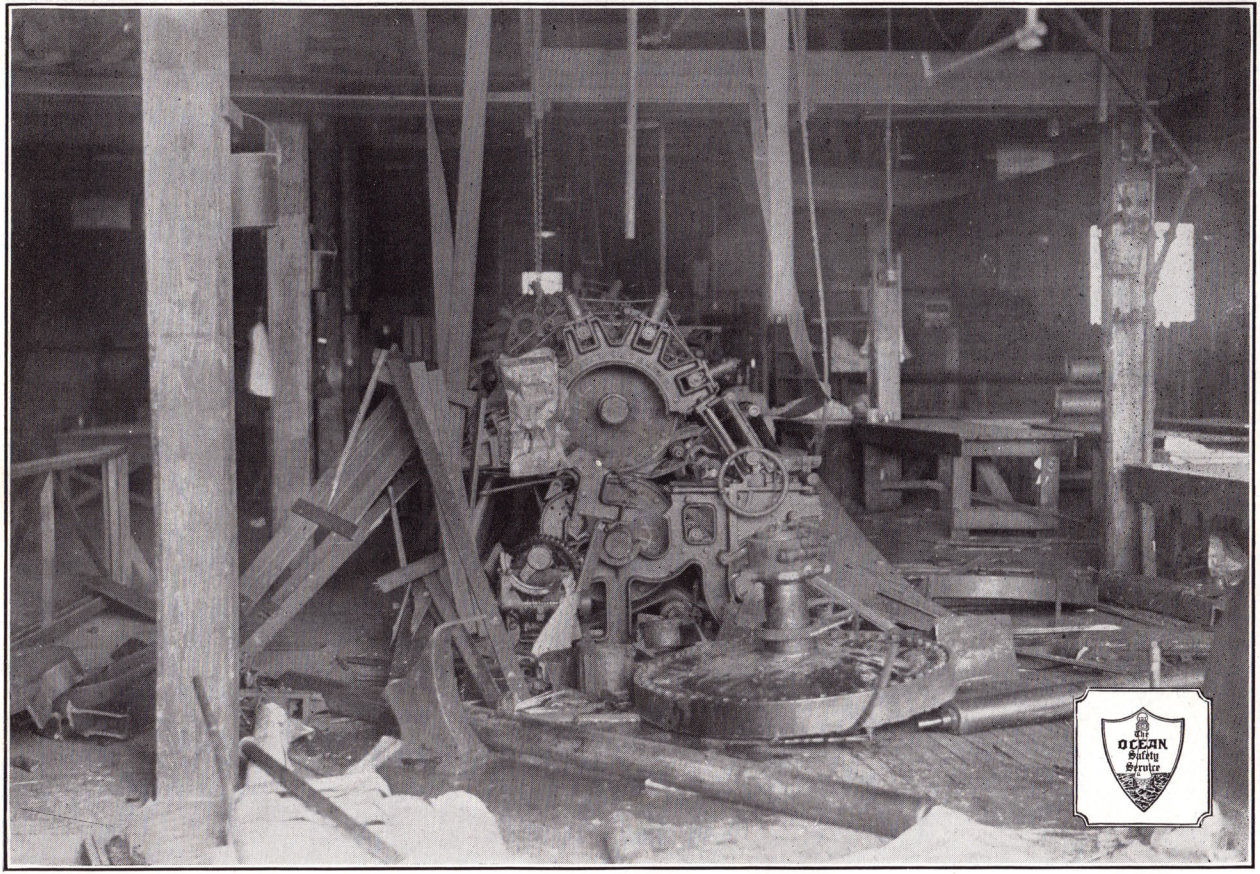
Explosion of low pressure cast iron heating boiler in Yale Hotel, Long Beach, Cal.
The explosion was extremely violent.

Explosion of hot water supply heater at Paterson, N. J. Property damage $9,000.00.

Explosion of Hot Water Heater in a private residence in Bangor, Maine. Property damage was severe.



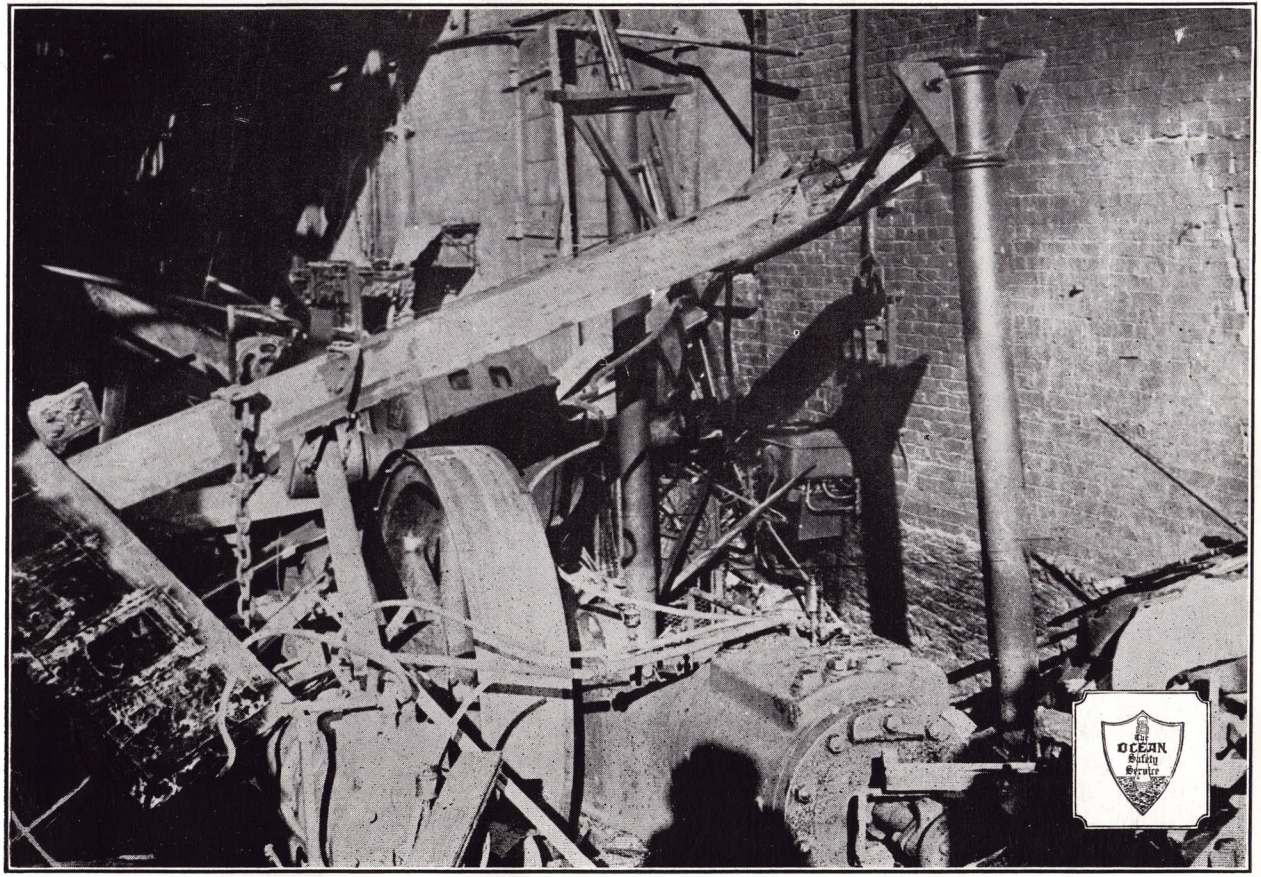
Explosion of a Hot Water Supply Storage Tank in New York City tenement house. Ten persons were injured and the building was seriously damaged.



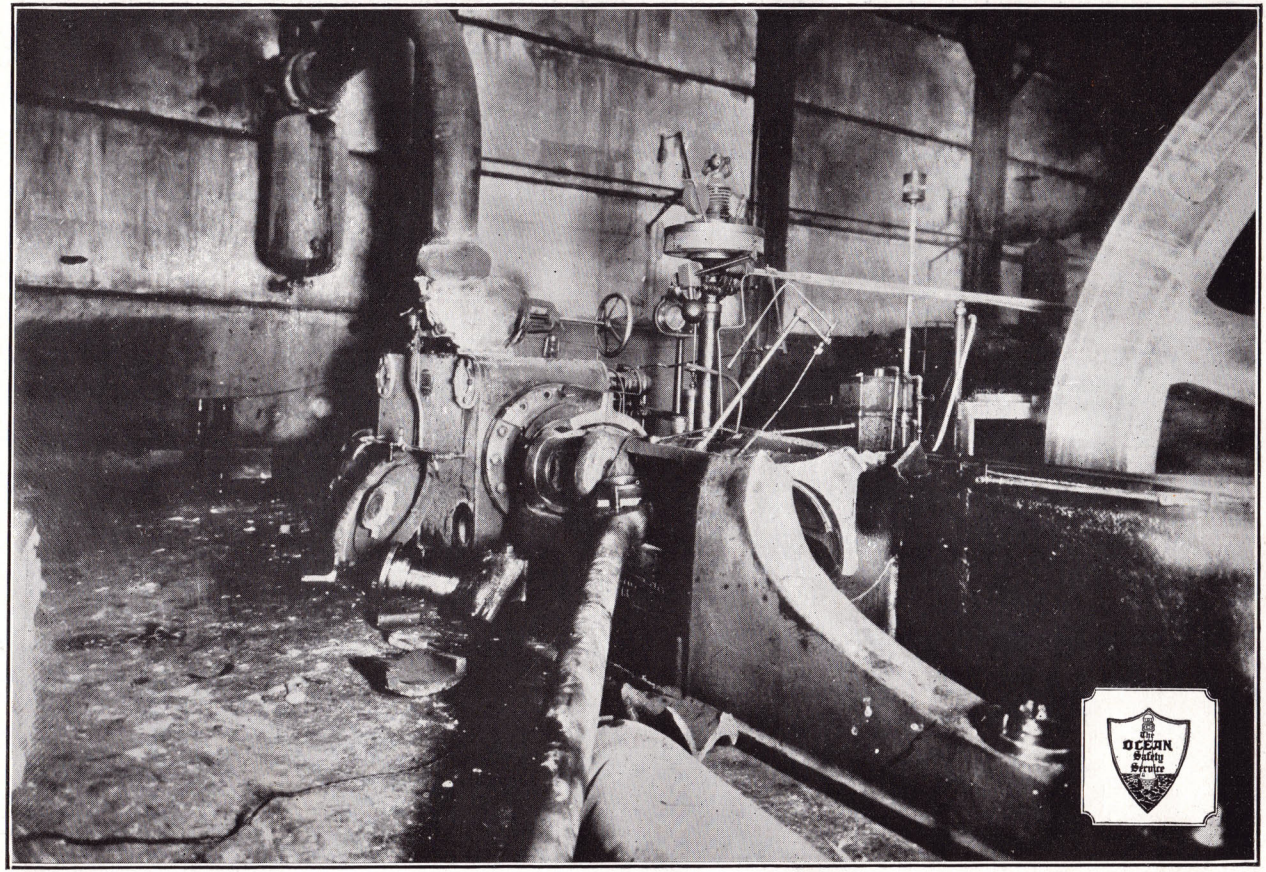
Explosion of mangle in Vigilant Laundry, Philadelphia, Pa. Two women employees scalded to death and five others seriously injured.

Air tank explosion, Metropolitan Railway Co. Car Barn, Kansas City. $110,000.00 property loss. 5 killed, 12 injured.

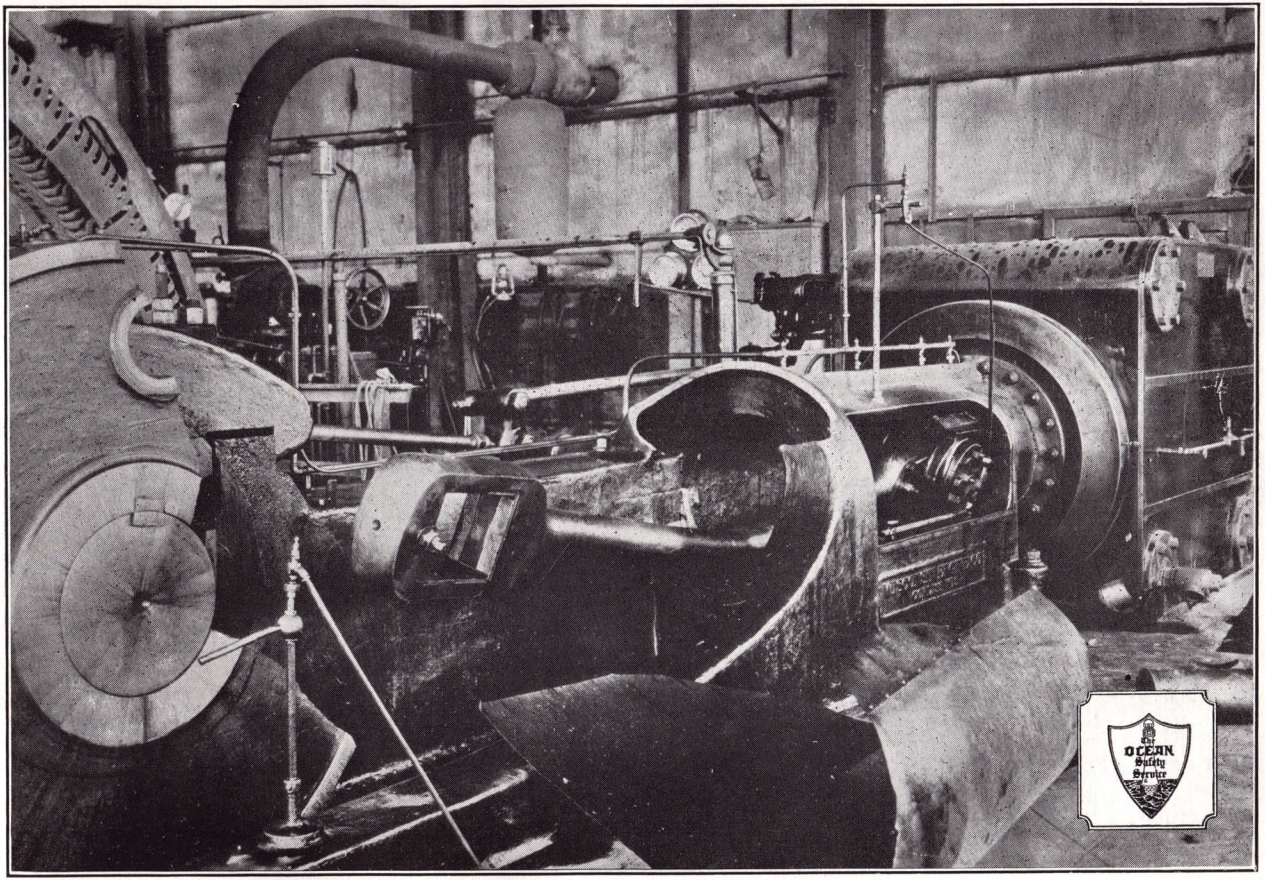
Office of Metropolitan Railway Co., Kansas City, after air tank explosion in adjacent car barn. A number of employees fortunately left this part of the building to go to lunch, just before the accident.



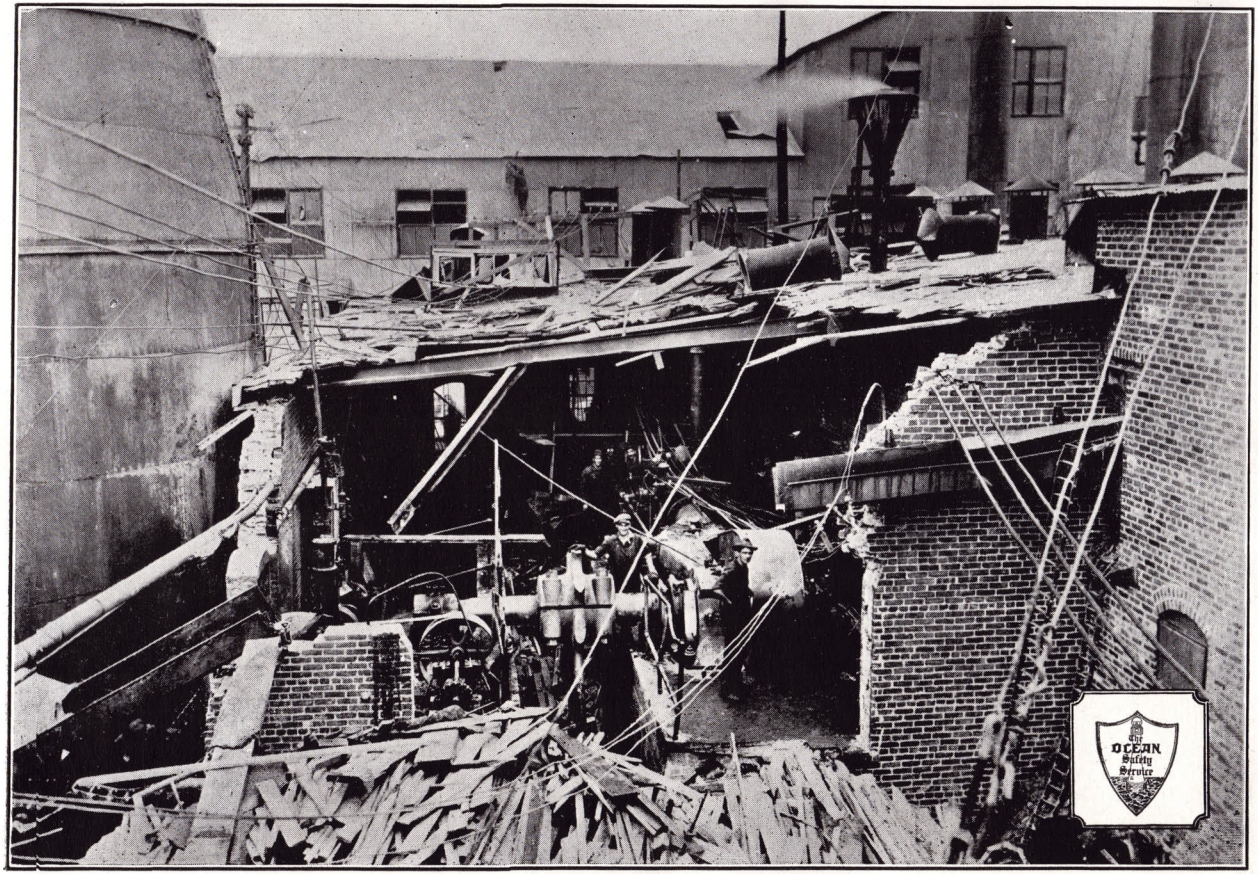
The air compressor connected to the air tank which exploded in car barn of Metropolitan Railway Co., Kansas City.



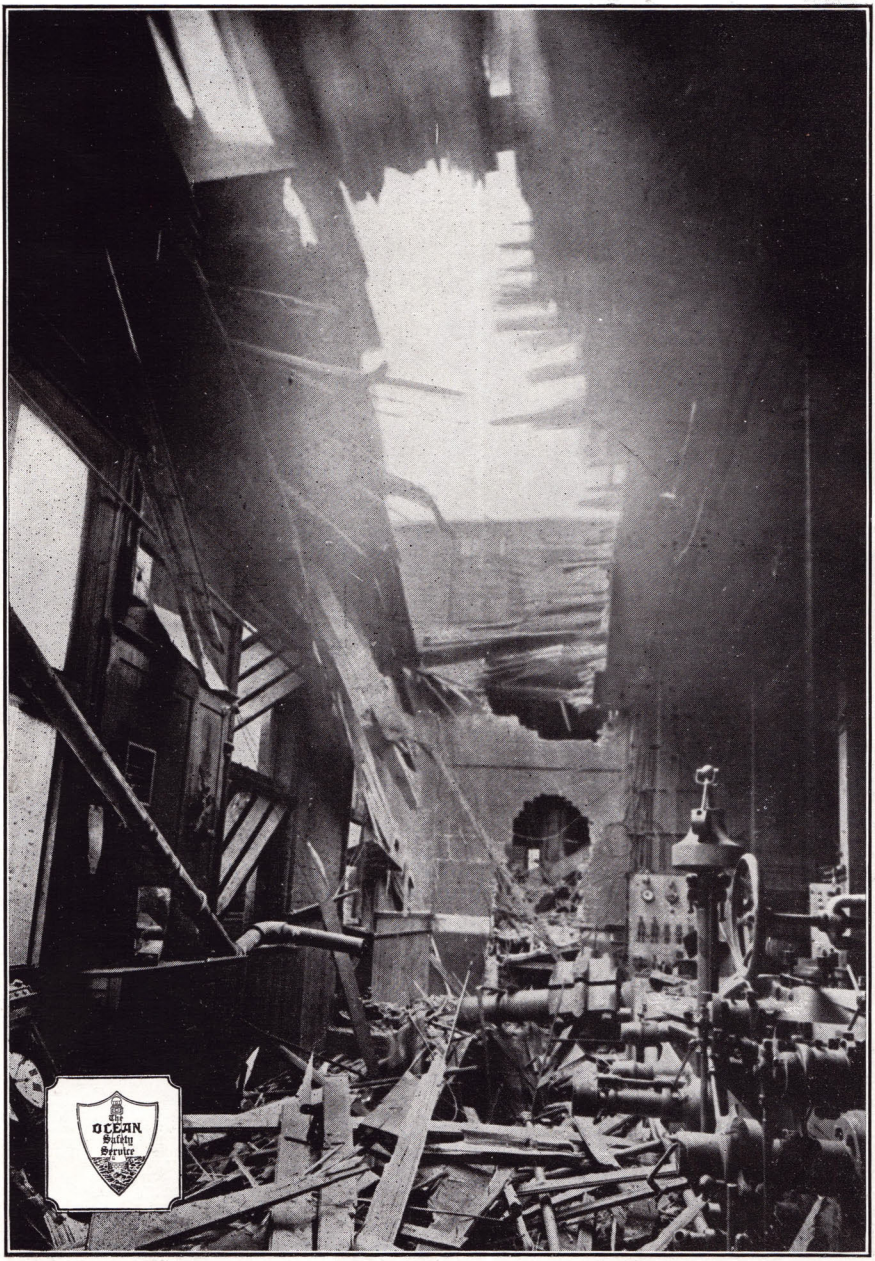
Engine Wreck at Tidewater Portland Cement Company, Union Bridge, Md. Property damage $9,000.



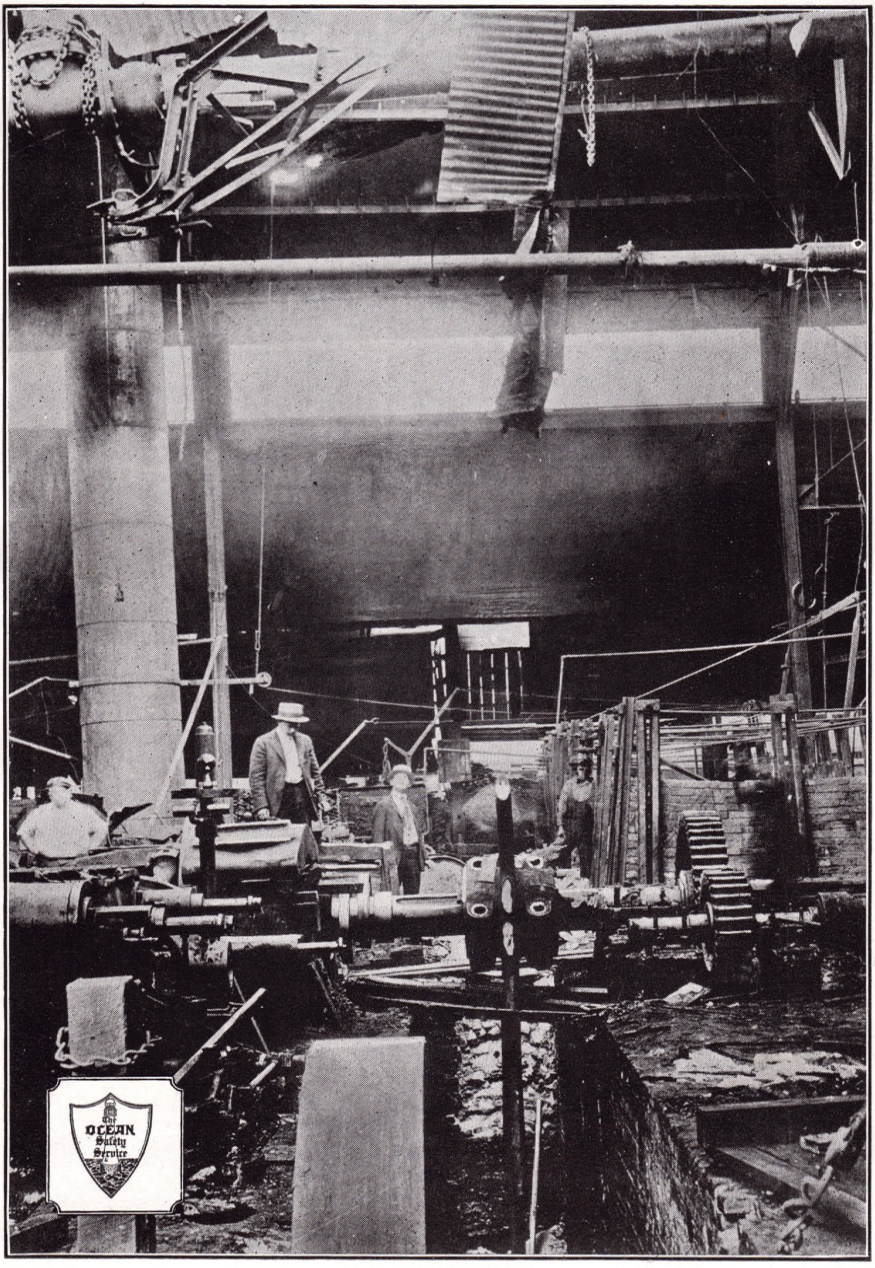
Second engine wreck at the plant of the Tidewater Portland Cement Company, Union Bridge, Md.
Property damage $12,000.00.



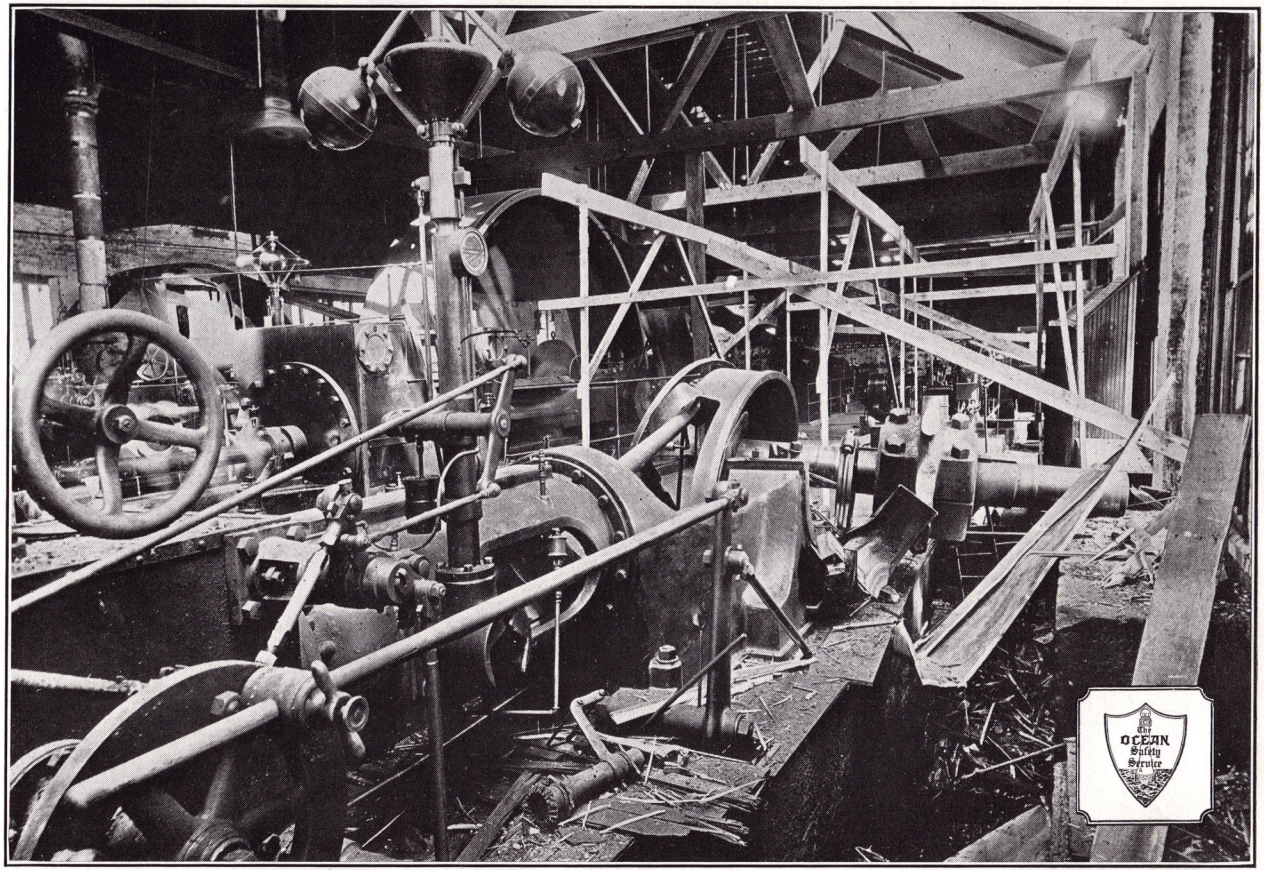
Violent engine wreck at plant of Wells Lumber Company, Menominee, Mich. Property damage $30,000.



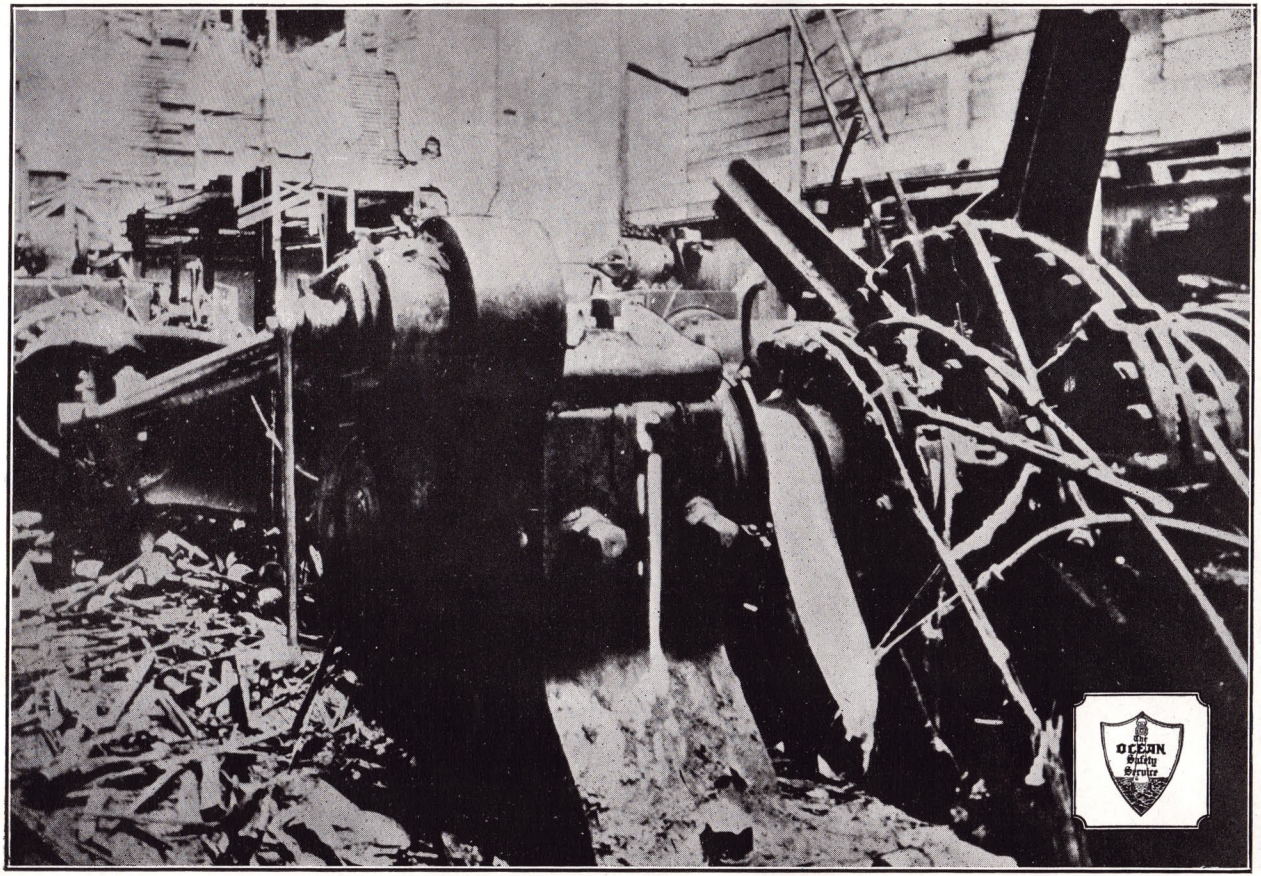
Engine wreck Trippensee Mfg. Co., Detroit, Mich. Property damage $75,000. A portion of the fly-wheel weighing 550 lbs. was thrown over 500 ft.



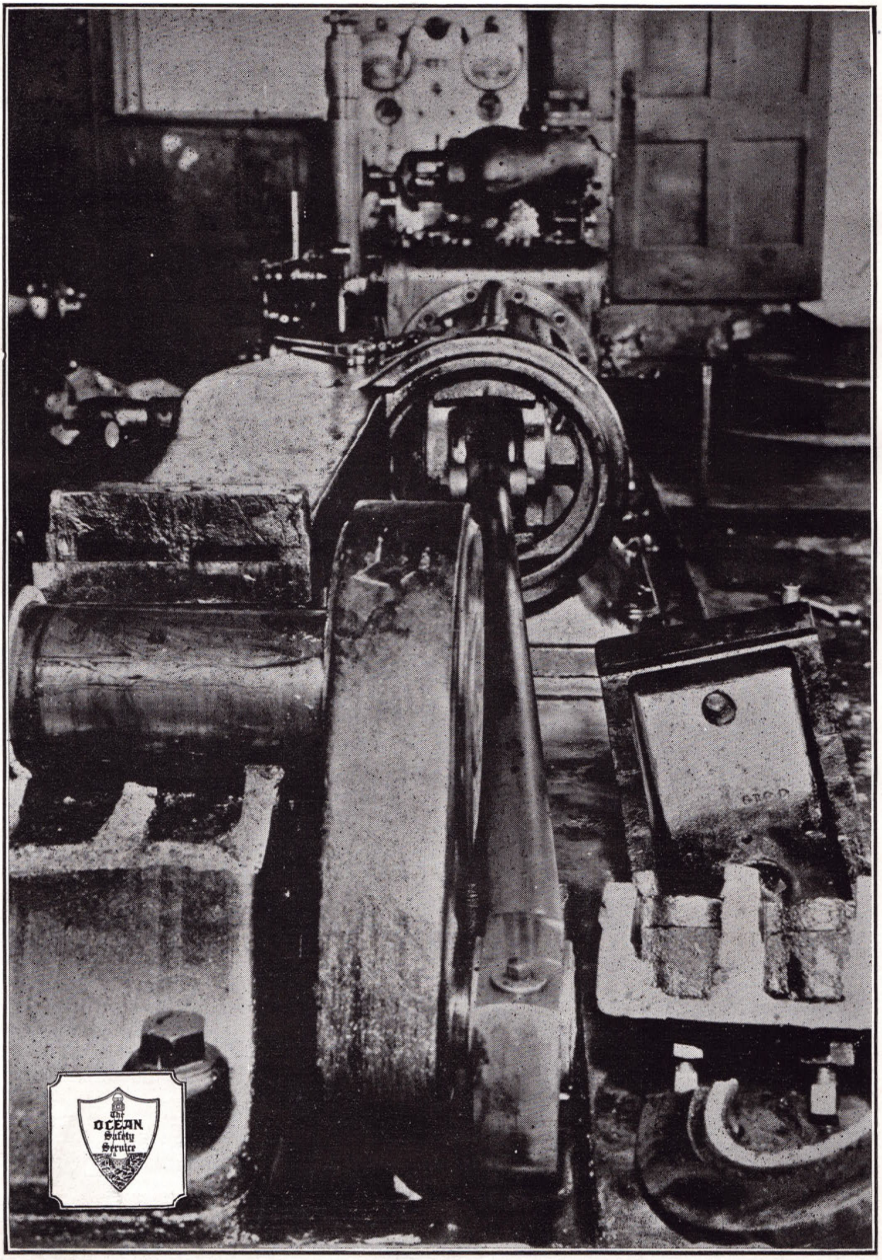
Engine wreck at Empire Rolling Mills. Property Damage $13,000. Two killed.



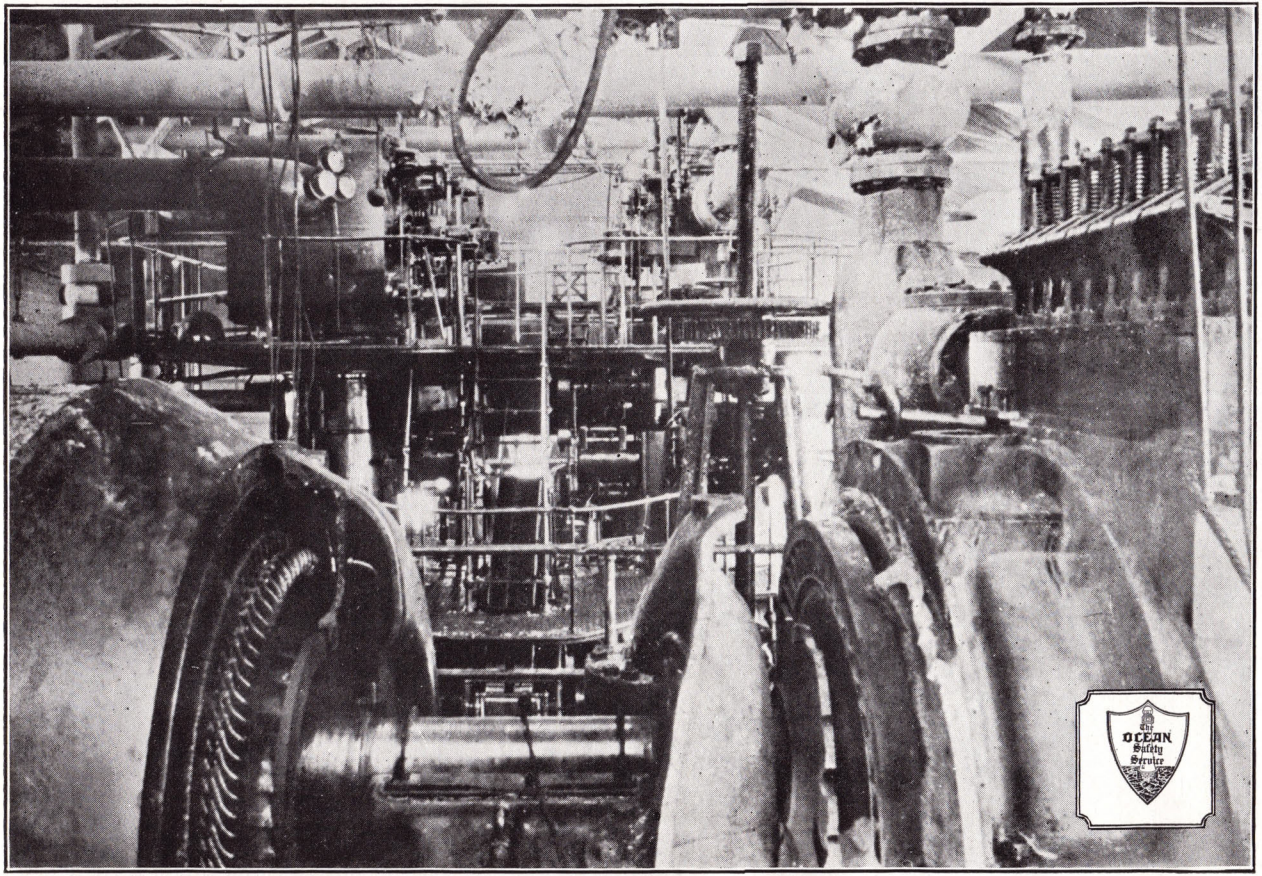
Mansfield Railway, Light and Power Engine Wreck. Property damage heavy. Two killed.



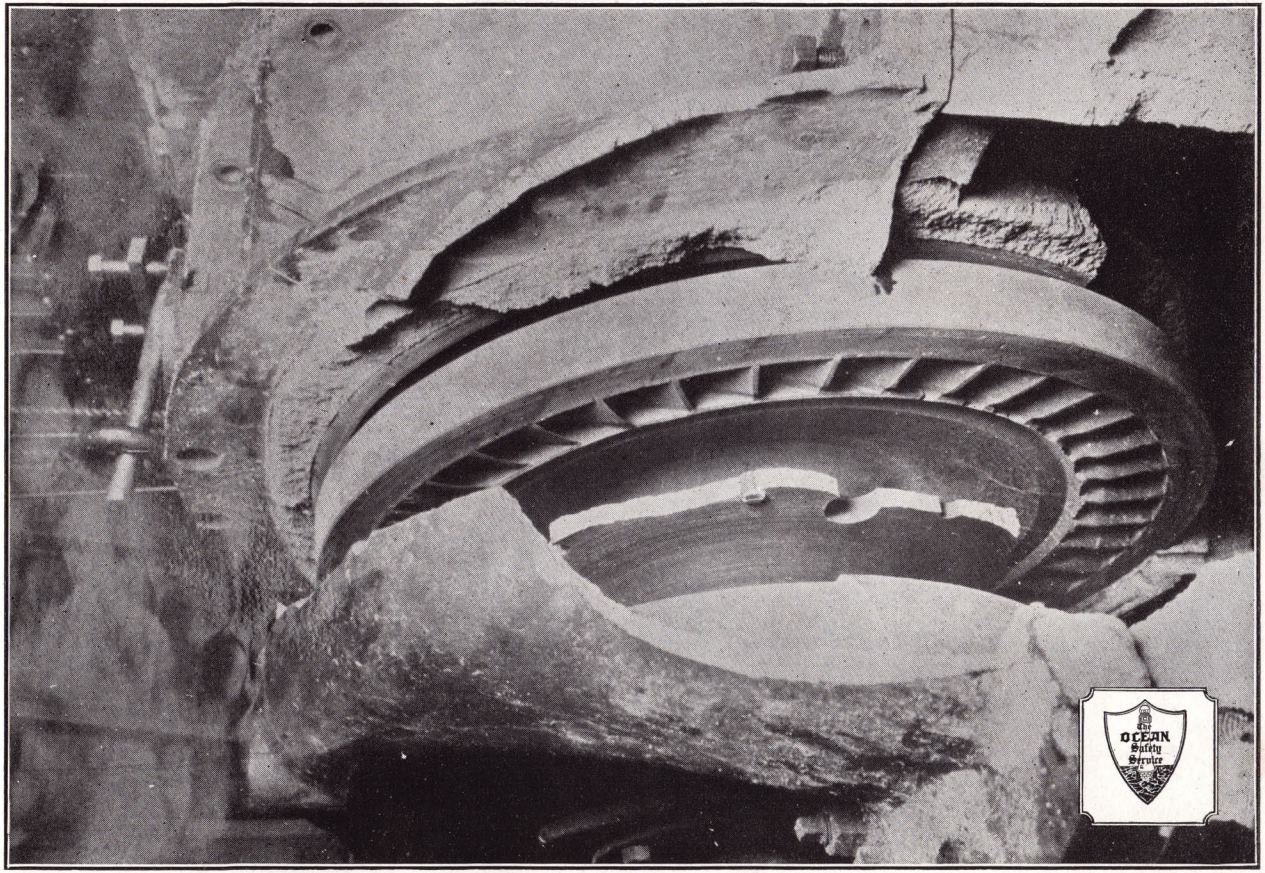
Engine Wreck, Boott Mills, Lowell, Mass. Property damage $48,000.



Engine wreck at Riebs Company plant, Wanwatoosa, Wis.

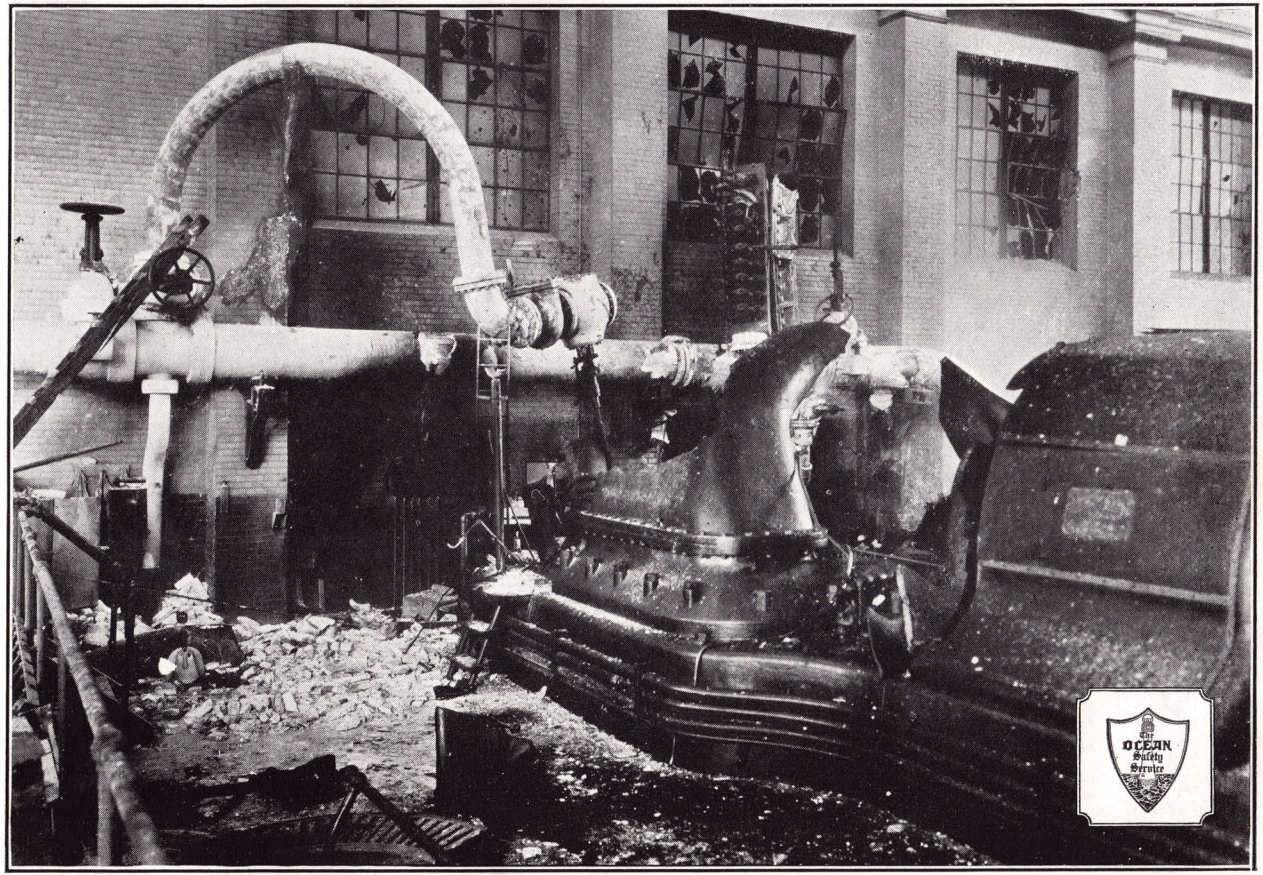


View of turbine wreck at Thomas A. Edison Plant, Orange, N. J. Property damage $10,000.

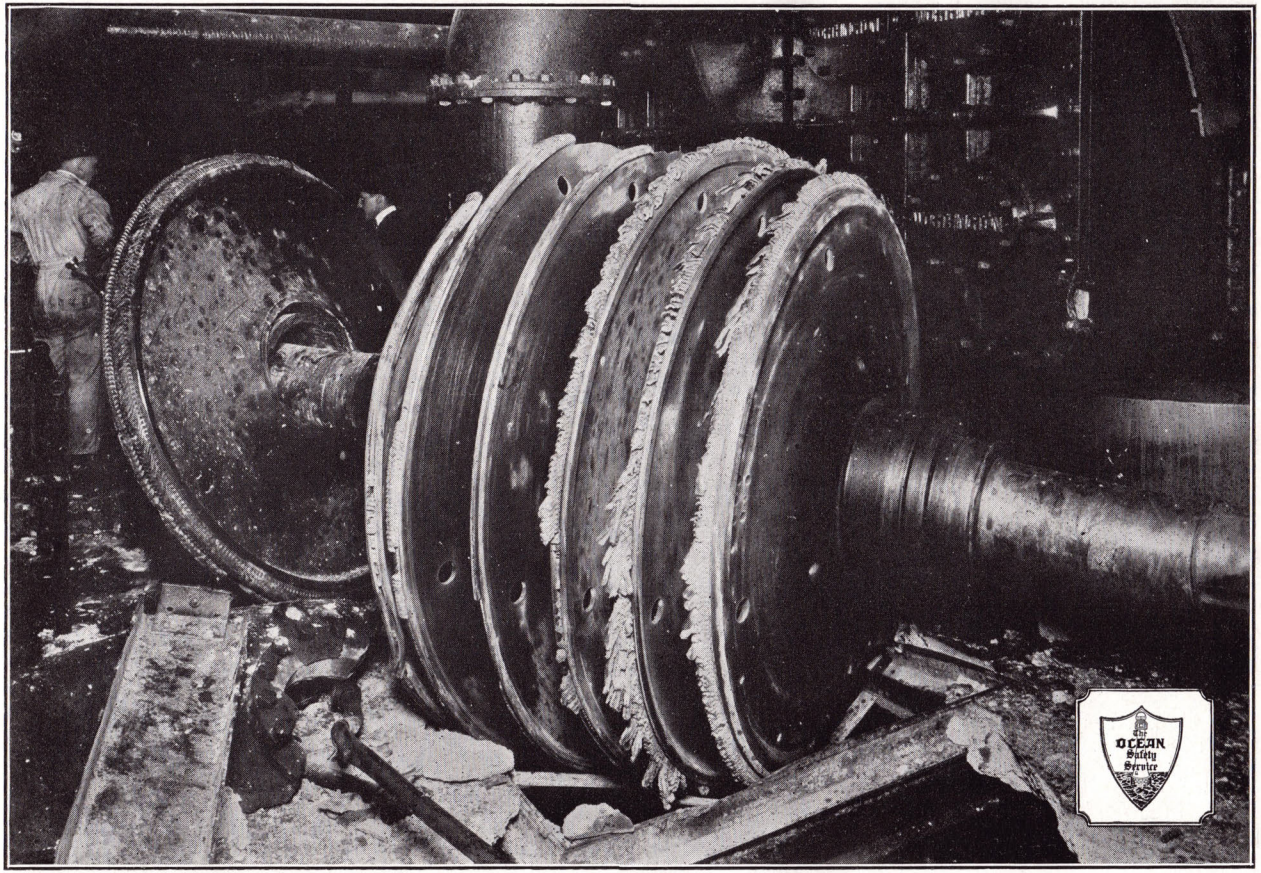


Fractured turbine disc at Thomas A. Edison plant. A section of the disk weighing 100 lbs. was thrown over a 5 story building and buried itself in a vacant lot. Another section weighing about 50 lbs was thrown across a street and came to rest in a bath tub after passing through the roof and floor of a house.

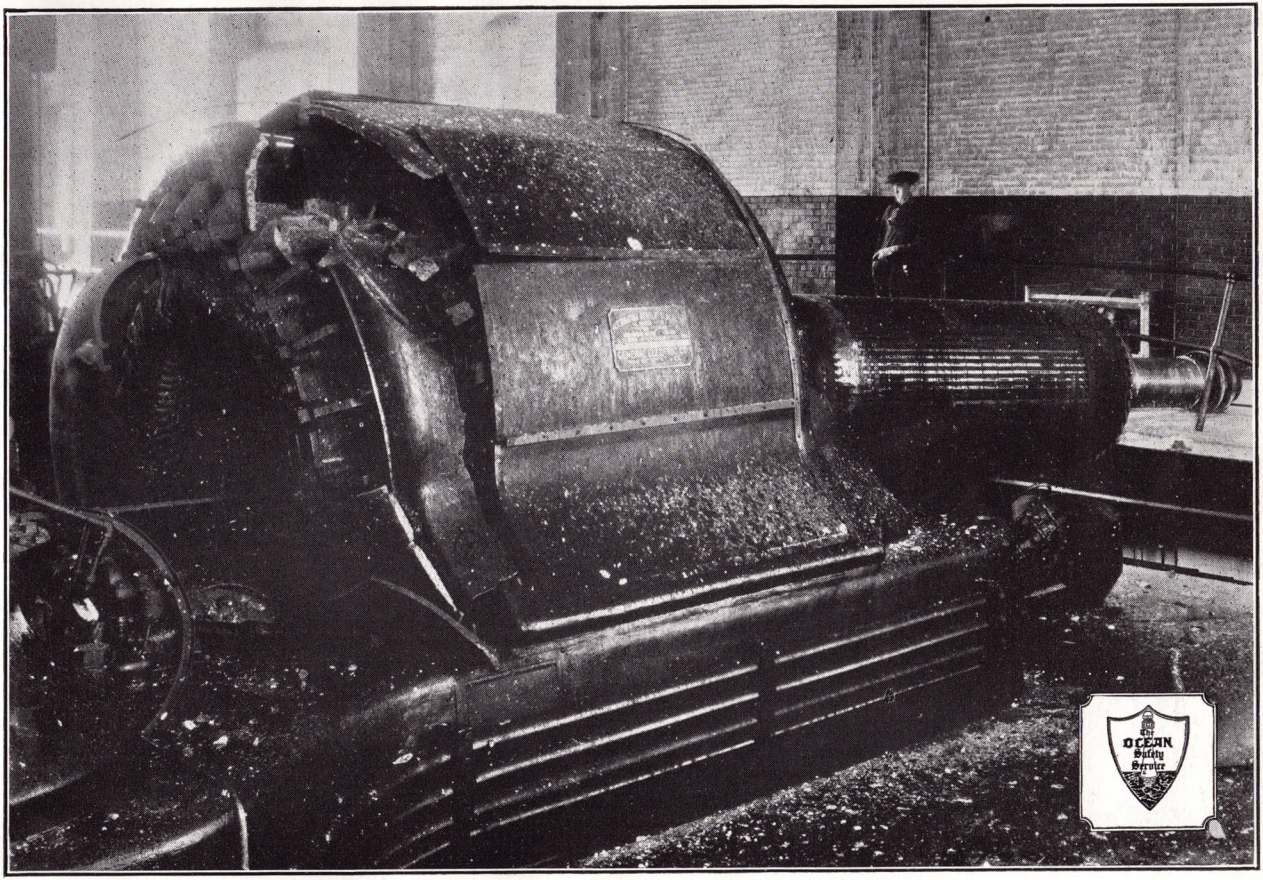
External view of Mill St. station, Indianapolis, after a terrific turbine explosion. Property damage over $600,000.



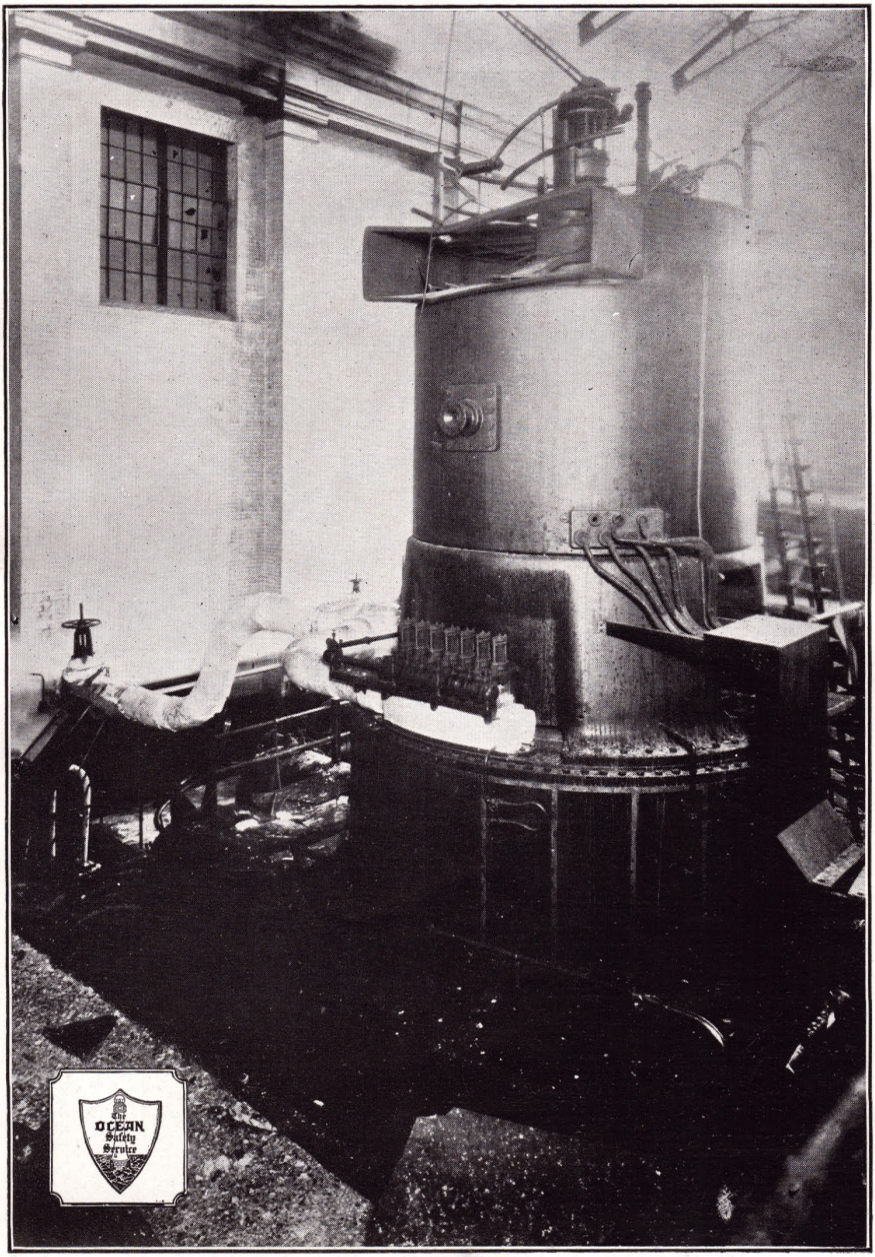
Indianapolis Turbine Wreck. Note the casting weighing several tons resting on the steam header.



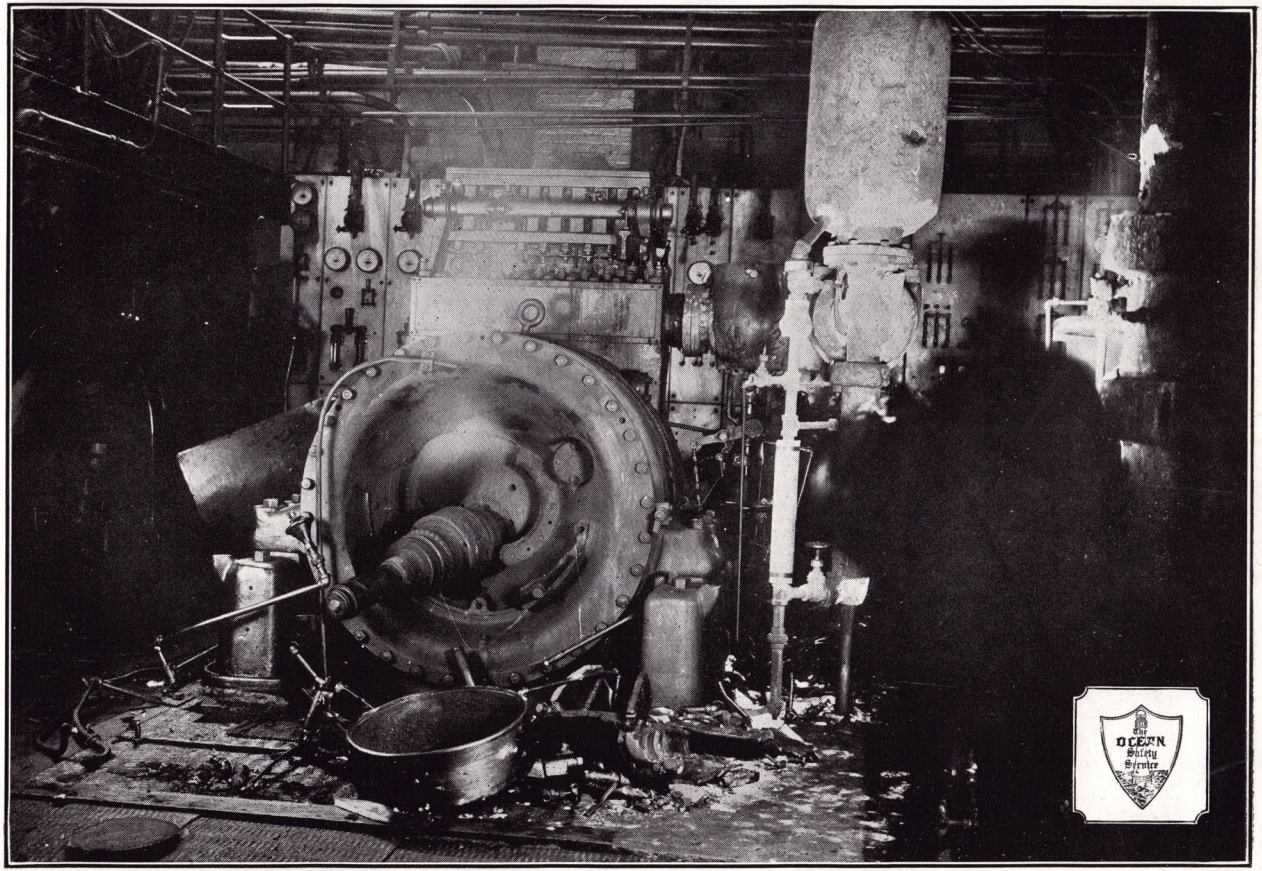
Indianapolis Turbine Wreck. The rotor of the steam end jumped out of the casing, crushed a reinforced concrete floor and came to rest on the condenser floor.



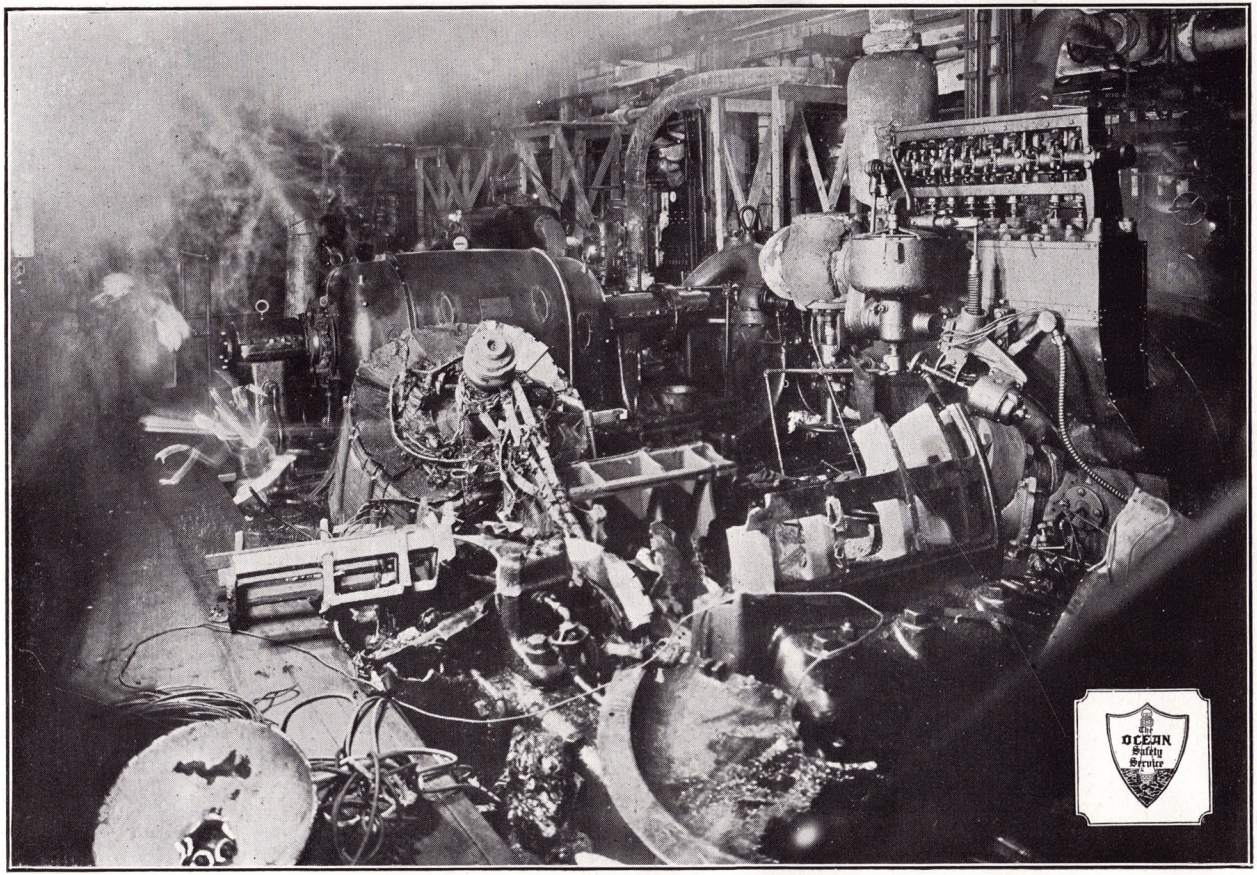
Indianapolis Turbine Wreck. Note the rotor thrown from the stator and the heavy stator frame smashed to pieces.



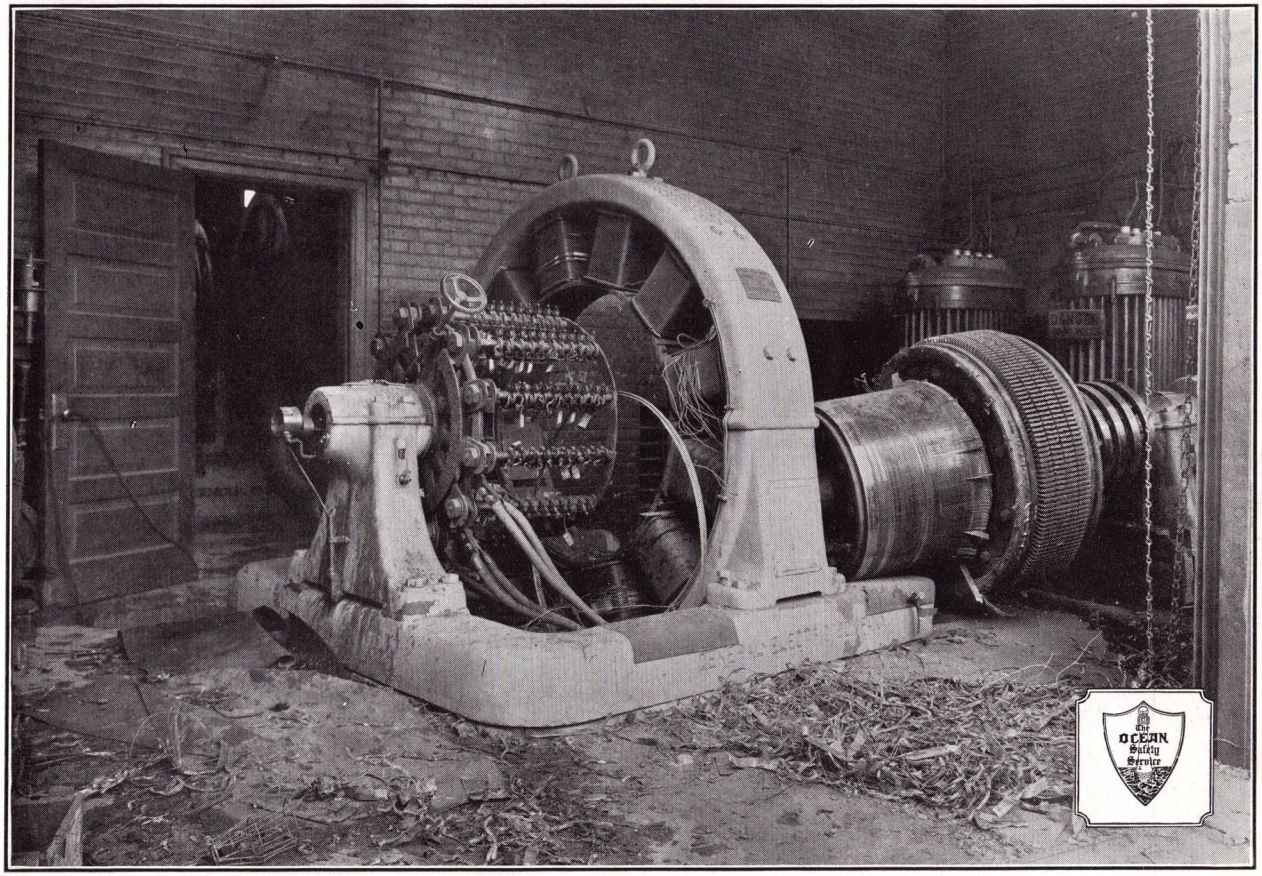
Indianapolis Turbine wreck. Vertical unit adjacent to machine which exploded. It is extremely fortunate that this machine was not in operation at this time.



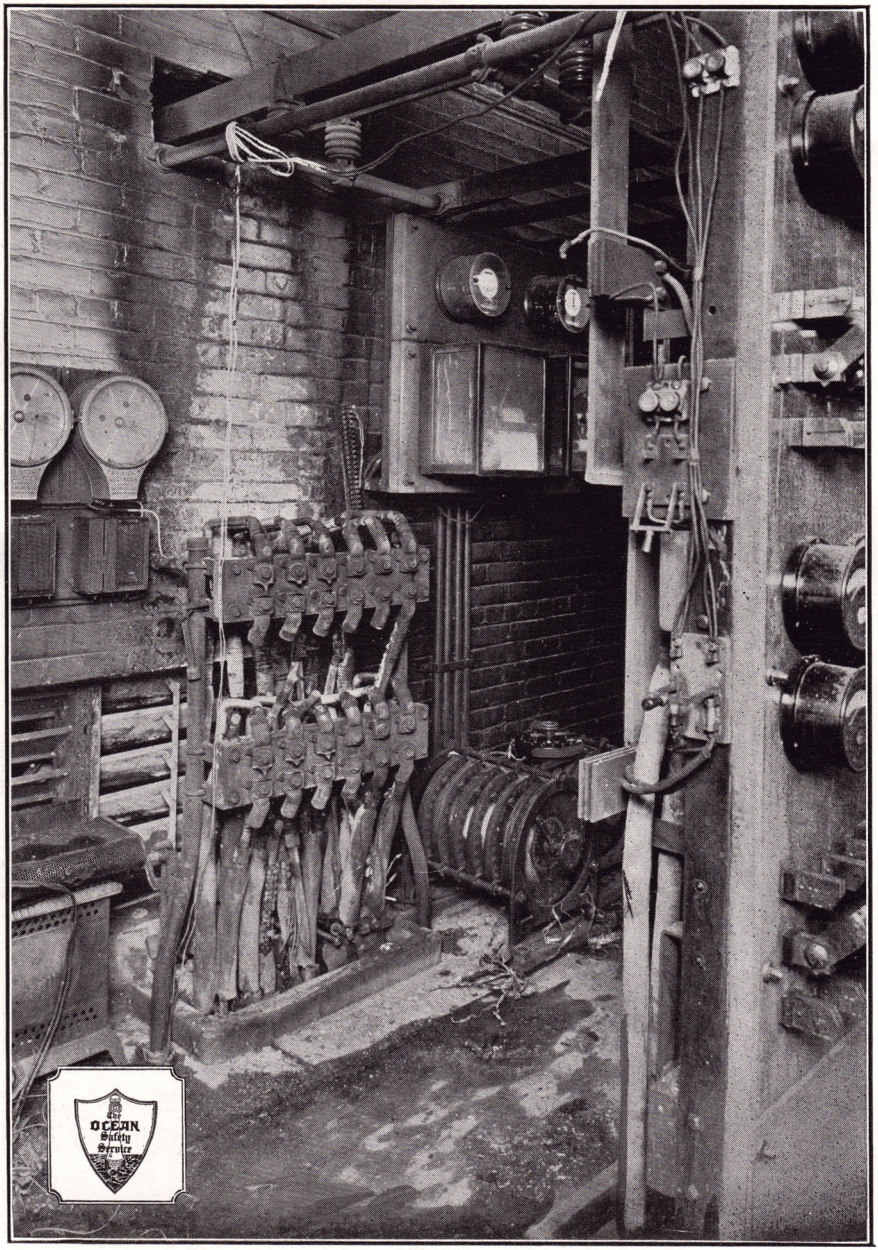
Turbine Wreck at plant of Warner Sugar Refining Co., Edgewater, N. J. Property damage $13,300.



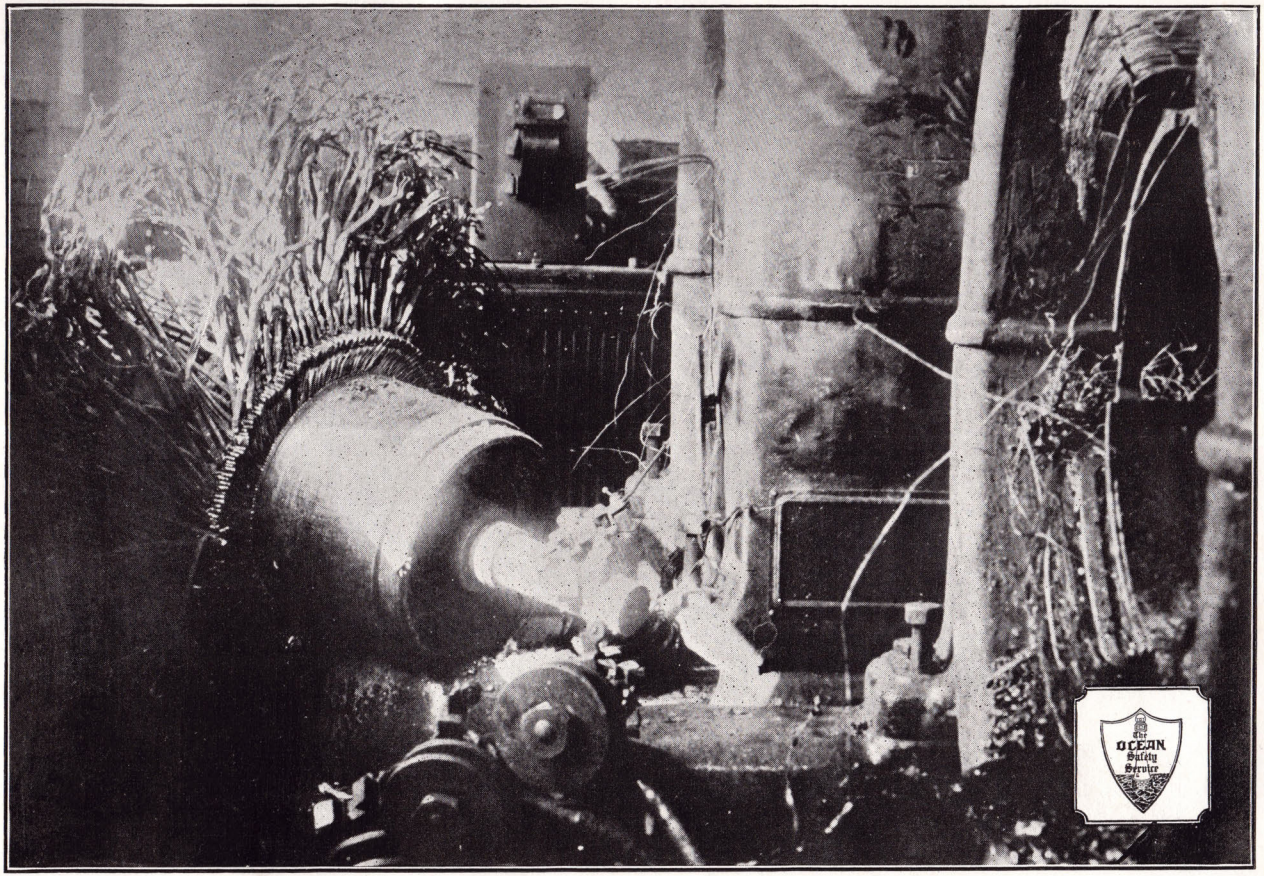
Warner Sugar Refining Co. Turbine Explosion. Note complete destruction of the electrical end.



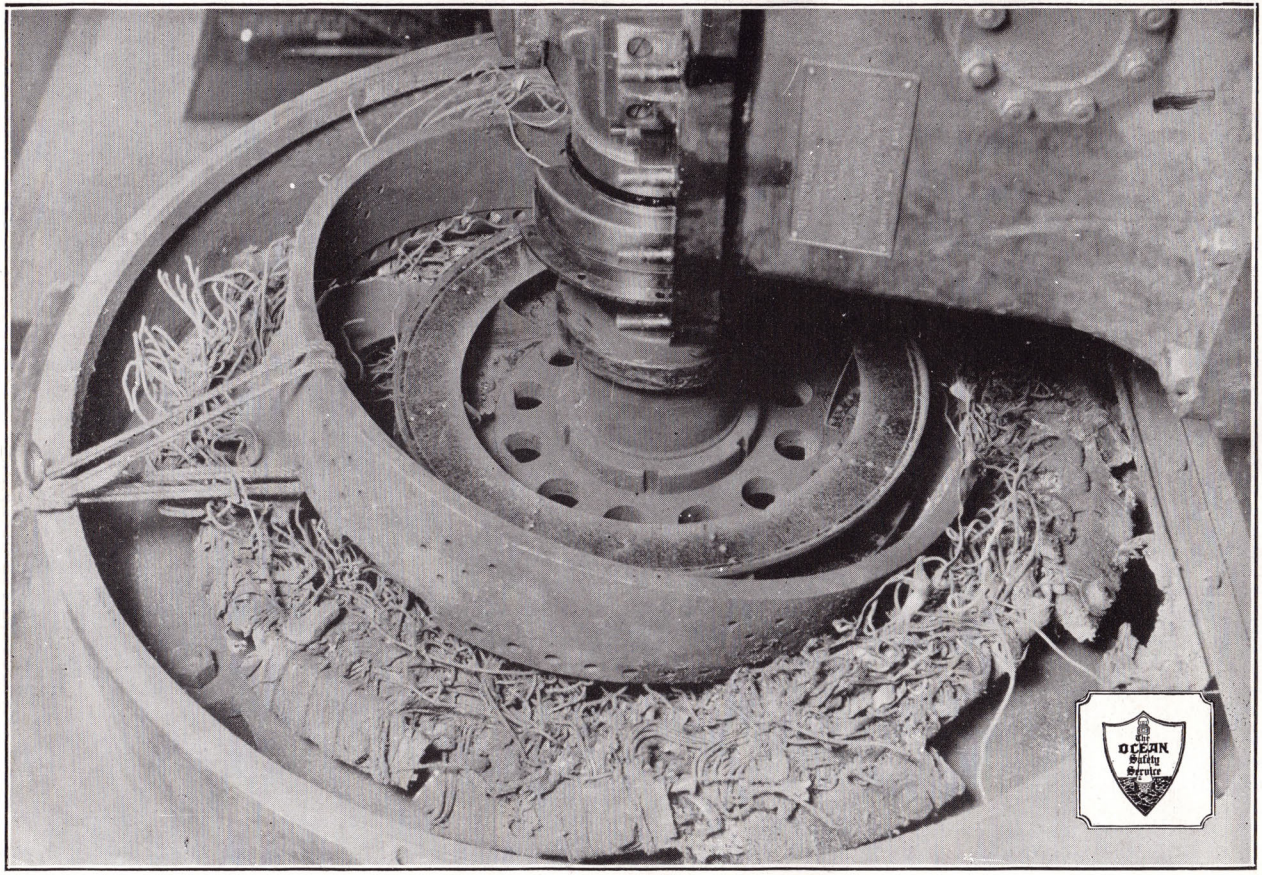
Rotary Converter wreck, Rowena sub-station, Detroit, Mich. The machine completely wrecked itself and did considerable other property damage in the station.



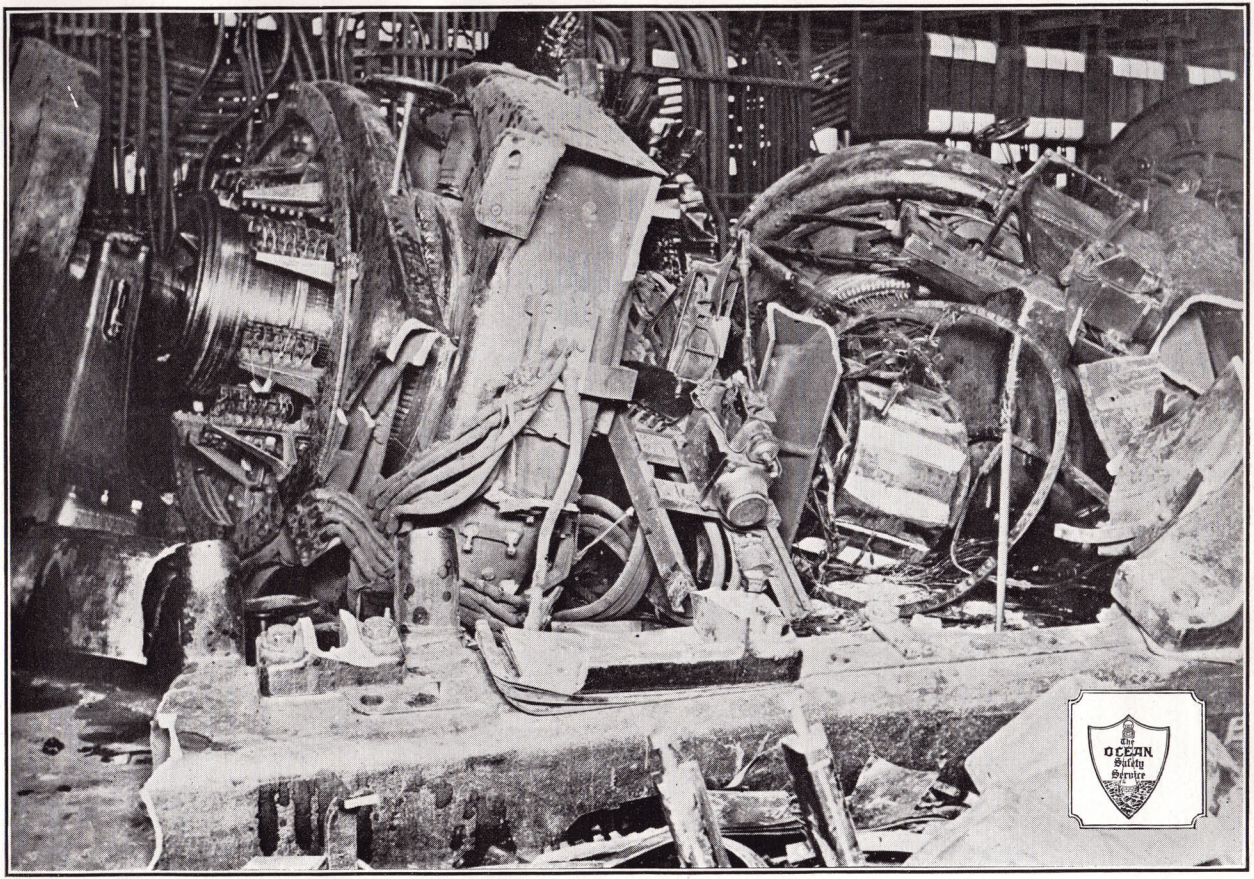
View of burnout caused by failure of Rowena rotary converter, Detroit, Mich.



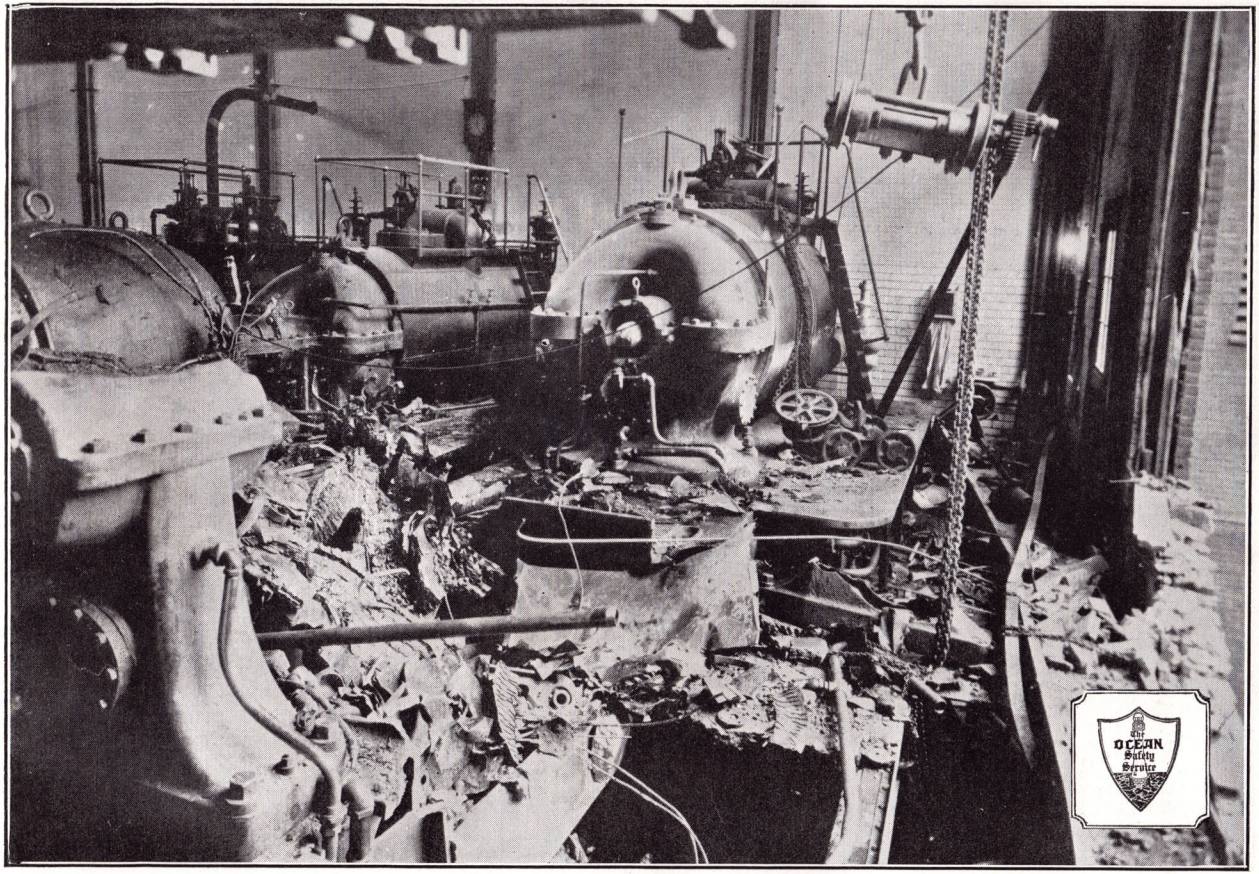
Rotary converter wreck, W. B. & A. Railway Sub-station, Baltimore, Md. Property loss $18,000.



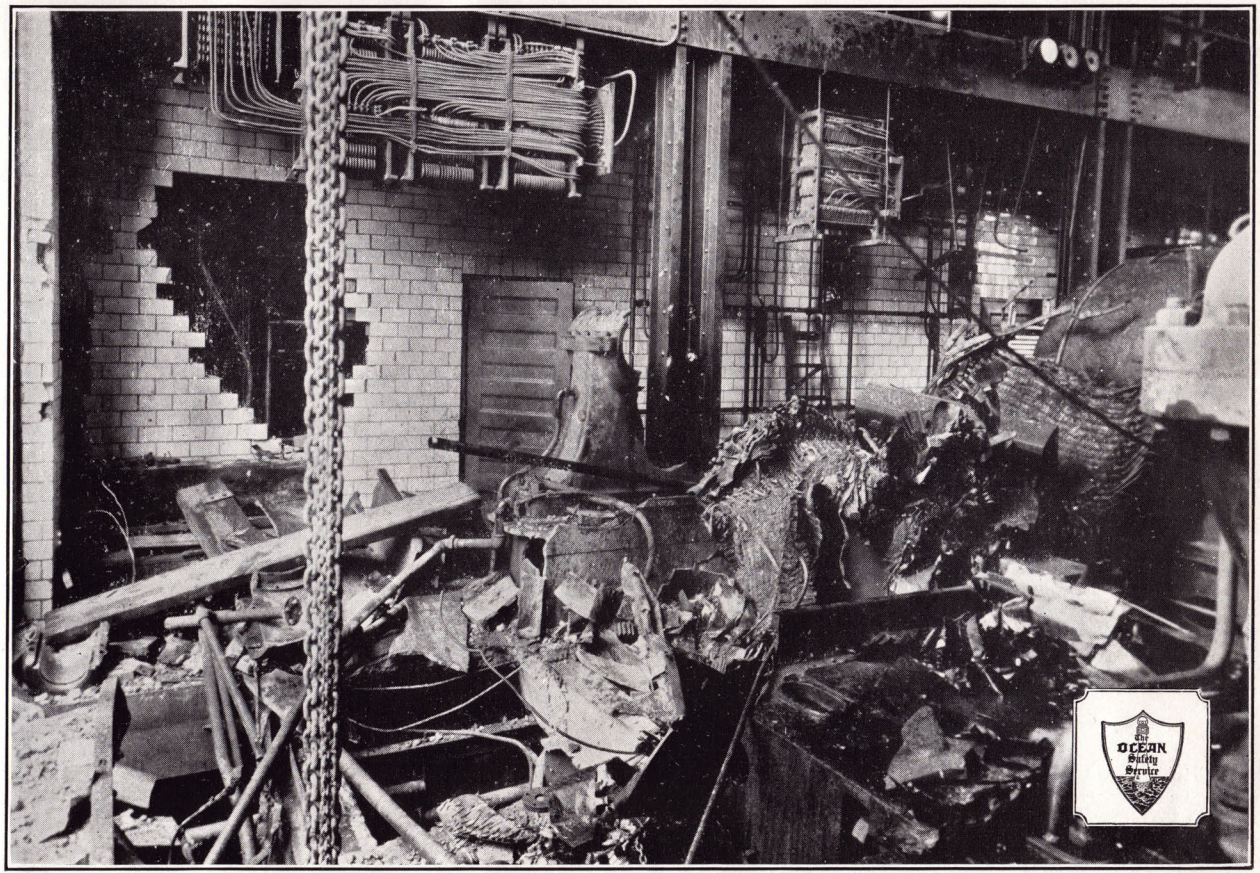
Wreck of turbine driven alternating current generator. Des Moines Electric Co.
Property damage $20,000.00.



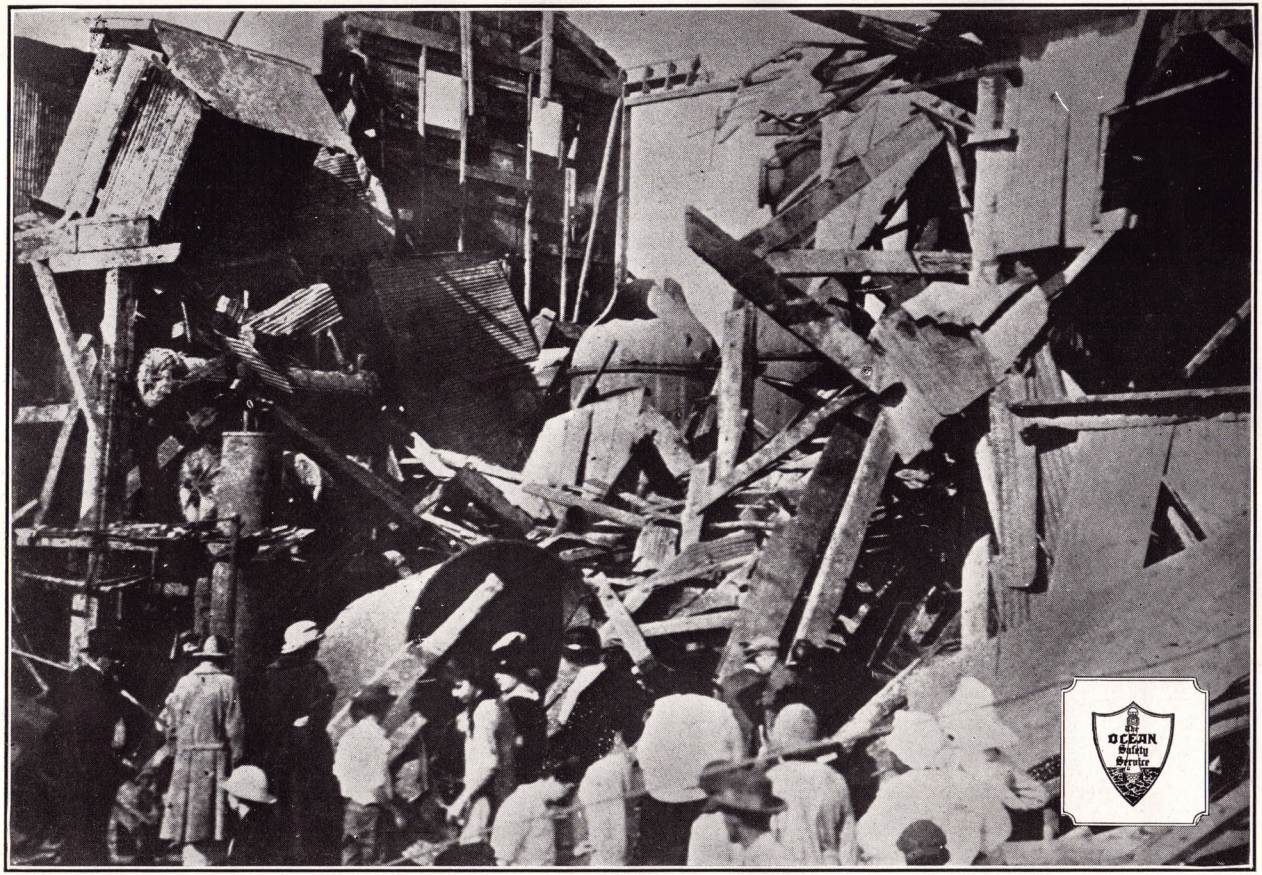
Motor Generator wreck at Toledo, Ohio. Adjacent machines and building were severely damaged.



Turbine driven alternating current generator wreck at Northern States Power Company, St. Paul, Minn. Property damage $70,000.



Another view of the violent wreck of a turbine driven alternating current generator at the plant of the Northern States Power Company, St. Paul, Minn.



Another view of the wreckage caused by a boiler explosion at the plant of the Louisiana Sugar Refinery, New Iberia, La.

General view of the Louisiana Sugar Refining Company plant after a disastrous boiler explosion. Sixteen persons were killed and 40 were injured. The property damage was in excess of $50,000.

Form 60413.